

**Historical And Current Presence And Absence Of Coho
Salmon, *Oncorhynchus kisutch*, In The Northern California
Portion Of The Southern Oregon-Northern California
Evolutionary Significant Unit**

Prepared For The U.S. Department of Commerce, NOAA
National Marine Fisheries Service, Southwest Fisheries Science Center
Pursuant To Service Order 40-ABNF-7-01479

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May, 1999

INTRODUCTION

This report is a summary of data collected from a variety of sources concerning coho salmon, *Oncorhynchus kisutch*, in the northern California portion of the Southern Oregon-Northern California Evolutionary Significant Unit (SO-NC ESU). Data concerning both juvenile and adult fish have been collected and are presented in the stream list database, Appendix 1, which represents an updating, for the streams of the study area, of a list prepared earlier for the National Marine Fisheries Service (NMFS) (Brown and Moyle 1991).

We agree with the NMFS that "Coho presence-absence data needs to be collected over three consecutive years" (from the statement of work in NMFS' "request for quotations" for this project) and we have designed this study accordingly, as though it were the first year of three, in the hope that future researchers will find it easy to build upon. Given the large number of streams in the study area, particularly in Del Norte County, which have yet to be surveyed (Brown and Moyle 1991), it would take several field seasons to generate a map to accurately represent coho salmon distribution in the entire area.

A presence-absence study such as the one reported here, while a logical precursor to fish abundance studies, has a definite unevenness. Presence - a sighting of even one of the fish in question by a qualified observer - is an absolute result regardless of the protocol used to obtain it. Absence, on the other hand, can only be established as a probability and must, therefore, be determined using a protocol of suitable rigor. Presence data is therefore easier and cheaper to acquire than absence data, and for that reason a preponderance of the data in Appendix 1 is presence data. Absence data gathered through protocols as rigorous as the ten pool protocol required in the field-work portion of this study were hard to find.

METHODS

The study area extends from Punta Gorda near the Mendocino-Humboldt county line north to the California-Oregon border and it includes all of the watersheds that drain to this stretch of the coast. The land ownership in the study area is roughly half federal, half non-federal. The study area involves all or part of seven California counties. Del Norte, Humboldt, Siskiyou, Trinity and Mendocino counties account for nearly all the area. Two of the study area streams, Black Butte Creek (middle fork Eel River) and Lake Pillsbury (upper Eel River), are in Glenn and Lake counties, respectively. Coho salmon populations in the project study have been determined by NMFS to have greater similarity with one another than with the coho populations found south of Punta Gorda.

Historical presence and absence were established through a wide variety of literature, with the two principal sources being Brown and Moyle (1991) and Hassler et al. (1991). All other sources are listed in the database with the stream or streams for which they have identified coho presence or absence (Appendix 1). In using Brown and Moyle (1991) and Hassler et al. (1991) we tried to provide, in the database's "source"

column, the original authority. For example, if Brown and Moyle cited Hassler and Hassler cited Boberg and Kenyon (1979), then we identified Boberg and Kenyon as our authority. Where Hassler or Brown and Moyle made original additions of their own they were cited. This provides a more accurate dating of each stream record and enables database sorting, by date of record, to support whatever definition of "historic" or "sufficient to establish presence" one cares to apply.

We first gathered current presence-absence data through consultations with state and federal resource agencies, landowners, industry groups, tribal fisheries departments and individual researchers. A special effort was made to solicit assistance from private landowners. Fruit Growers Supply Co., Timber Products Co., Georgia Pacific, and others provided invaluable assistance in the form of data, stream access, or both. Again, while we could accept presence data gathered under any reasonable protocol, we did not include absence data unless it was gathered using a protocol at least as rigorous as the ten pool protocol specified for our field-work plan. Since this requires the sampling of at least ten pools, spaced throughout the lower, middle and upper reaches of the anadromous portion of the watershed, data from such rigorous surveys were rare. As a result, we obtained little new and useable absence data through our consultations.

We next added to the current presence-absence data that which we gathered through our own stream surveys. We performed steam snorkel surveys during the months of July, August and September 1998. Late rains and high flows made sampling earlier in the year impossible. The pools we surveyed were as close as possible to the shaded, low velocity pool with woody debris considered ideal for the rearing of juvenile coho. At each pool sampled, the counting of coho and steelhead were the priority, but other species were often included in the observations, as well. When the fish counts were completed we next recorded pool length along the thalweg; mean width at three transects; mean depth taken along the three width transects, and a narrative describing the habitat. All measurements were taken to one-tenth of a foot. Air and water temperatures were recorded at intervals throughout the day. (Appendix 3, Field sheets)

If coho were located, the discovery site was recorded by township, range and quarter-section, and measurements of the habitat were made to complete the survey of that stream. We divided our time among the watersheds of concern according to their size and accessibility. In each watershed we gave priority attention to those streams which, with the inclusion of our survey, would yield the longest data set. For a more detailed explanation of our watershed prioritization scheme see Appendix 2, the field workplan and watershed prioritization scheme.

RESULTS

We found that within the northern California portion of the Southern Oregon-Northern California ESU, coho salmon were absent from 31% of the historical-record streams for which there is current (i.e., 1996 to 1998) data (Table 1). We were able to collect current data through our consultations with other investigators and our own stream survey efforts for a quarter of the historical-record streams. Of the 97 historical-record

streams for which we obtained current data, coho salmon were absent from 30 and were present in 67. We believe that that absence rate is conservatively low because of the rigorous data screening standards we discussed earlier. Perhaps a more meaningful number would be that we obtained from our surveys of historical-record streams. Again, once we entered a stream we either established presence or we searched the requisite ten pools before claiming absence. The coho salmon absence rate obtained from historical-record streams in this manner was 54%. We also compiled coho salmon presence data for 123 streams lacking any prior coho presence record. For 27 of these streams there is current, 1996-98, data.

Historical-record streams in Del Norte County, for which we have current data, were found to be coho-absent 42% of the time (10 of 24). This number shoots up to 60% when determined by our 1998 stream surveys alone. Coho salmon were found in four Del Norte streams having no historical coho records. The dominant watershed of historical record for Del Norte County is the Smith River. The Smith River does not have a large coho salmon run (Waldvogel 1988), but the run has been consistent ever since Waldvogel began his observations in 1980.

In Humboldt County, historical streams for which we have current data were found to be coho-absent 3% of the time (1 of 30). This number drops to 0% when derived from our 1998 surveys alone. Because of its large private land holdings Humboldt County does not offer good opportunities to survey entire streams for proof of coho absence. Consequently, virtually all data is presence data - which artificially deflates percent absence. Coho salmon were found in eleven Humboldt County streams with no historical records - the highest number of any county. This is not unexpected since Humboldt County's total number of historical-record streams is also the highest because it includes parts of the Eel and Klamath river systems, as well as a number of smaller coastal streams. The Mattole River, which is entirely within Humboldt County, still supports a small coho salmon run, as it did historically. We found coho salmon in four Mattole River tributaries lacking historical coho occupancy records.

Historical-record streams in Siskiyou County for which we have current data were found to be coho absent 52% of the time (16 of 31). This rises to 72% when derived from our 1998 surveys alone. Coho salmon were found in seven Siskiyou County streams with no historical records. The dominant watersheds of historical record for Siskiyou County are the Klamath and two of its mid-section tributaries, the Scott and Shasta rivers. Coho salmon were historically abundant in the Klamath's lower tributaries (Brown and Moyle 1991).

Examination of California Department of Fish and Game warden diaries from the 1950s shows coho salmon in virtually every upper Klamath and Scott stream with a ditch and hayfield. The Scott River, prior to a federally-funded "channel improvement" project through the Scott River Valley, was a low velocity, meandering stream, ideal for coho salmon. The modified Scott River ushers the water out of the valley far too quickly for coho. This channel modification, in conjunction with the multitude of wells in the Scott Valley, is dropping the water table. Many of the Scott Valley's historical-record streams

are entirely dry in their lower reaches for much of the year. The Shasta River shows relatively consistent runs from the 1950s up to 1984, at which point numbers dropped severely to a low point which has become the new norm.

In Trinity County historical-record streams for which there is current data were found to be coho absent 25% of the time (1 of 4). This stays at 25% when derived from our 1998 surveys alone. Both these numbers are probably low because of the lack of current data for the South Fork Trinity River. Coho salmon were found in one Trinity County stream that lacked historical coho records. The dominant watershed of historical coho records for Trinity County is the Trinity River. In the mainstem Trinity coho salmon go all the way to Lewiston Dam, the head of anadromy. In the South Fork Trinity they appear to make it only as far as Madden Creek and have not been seen above this point for many years. The tributary streams above Lewiston and Trinity River dams look more like coho streams than the tributaries coho now use below the dams.

Historical-record streams in Mendocino County for which we have current data were found to be coho absent 25% of the time (2 of 8). This number shoots to 100% when derived from our 1998 surveys alone. Mendocino County, like Humboldt County, has a high percentage of private land ownership, which increases the difficulty of obtaining absence data in sufficient quantity to accurately represent coho salmon distribution. Coho salmon were found in four Mendocino County streams with no historical records. The dominant watershed of historical record for Mendocino County is the Eel River. Records indicate widespread historical use of the Eel River drainage by coho salmon (Brown and Moyle 1991). Even though the Eel was reported to contain the largest wild population of coho salmon in California, it is not clear that that is the case today (U.S. Heritage Conservation and Recreation Services 1980). Present coho use is greatest in the South Fork Eel, even though salmon counts at Benbow Dam on the South Fork have declined steadily since the 1930s. Several tributaries to the main Eel are used by coho to a lesser degree.

Again, Glenn County was included because of Black Butte Creek, which flows into the Middle Fork Eel and has no historical record of coho salmon use. Lake County was included because it contains the last reach of the Eel River before Lake Pillsbury. We obtained no new data from this area.

Table 1. Summary of Appendix 1, historical and current presence and absence data for coho salmon, *Oncorhynchus kisutch*, from the Northern California portion of the Southern Oregon–Northern California Evolutionary Significant Unit. Historical data were from literature only. Current data was derived from stream surveys performed during 1996, 1997 and 1998. One column lists the percent absence of coho from the historical-record streams surveyed by Kier Associates in 1998. The final column shows the number of non-historical-record streams for which the authors located current presence data.

Area	Historical-record streams	Current-data streams	Number of streams from which coho were absent	Percent absent, historical-record streams	Percent absent, Kier surveys of historical-record streams	Non-historical-record streams for which there is current coho presence data
Del Norte	67	24	10	42	60	4
Humboldt	185	30	1	3	0	11
Siskiyou	53	31	16	52	72	7
Trinity	16	4	1	25	25	1
Mendocino	66	8	2	25	10	4
Glenn	0	0	0	-	-	0
Lake	1	0	0	-	-	0
Total	388	97	30	31	54	27

DISCUSSION AND RECOMMENDATIONS

The current (1996 to 1998) coho salmon presence-absence data captured in this report is largely presence data, since presence data can be accepted from qualified observers using virtually any method. Absence data, on the other hand, must have been collected using protocols of rigor comparable to the ten pool protocol, and such surveys are rare. The percent absence for historically-occupied coho streams calculated from the current data set (31%) understates absence. The 43 watershed surveys the authors completed in 1998 yield a 54% absence of coho from historically-occupied streams. We regard that figure to be more accurate than the 31% absence figure simply because we took the time to do full stream coho absence surveys. Our stream surveys also yielded coho in eight streams for which there were no historical presence records.

We located coho salmon presence records for 123 streams that were without prior coho presence records. For 27 of these there is current data, i.e., that which falls within the 1996 to 1998 period. This would suggest that the historical record in current use, Brown and Moyle 1991, may not be the most appropriate baseline for future presence-absence surveys. An improved list could be created under whatever chronological definition of “historic” is considered appropriate simply by sorting the database (Appendix 1) presented here by record date and coho salmon presence.

There is also an indication that streams that do not belong there have found their way onto the Brown and Moyle list. Rattlesnake Creek, a tributary to the Middle Fork Eel River is a good case in point. A series of 12- to 24-foot waterfalls cascade all the way down to the mouth of Rattlesnake Creek (Appendix 3 - field data sheets), suggesting that this never was a coho stream. A protocol is needed for culling such streams from the list of historically coho-occupied streams.

We feel the ten pool protocol provides sufficient coverage for the declaration of absence, while presence, again, can be accepted under any protocol. For improved coverage for the dollar we suggest the following modifications. Count fish only when you locate coho salmon and note the location. When you do not locate coho salmon, simply note the location of the pools surveyed. Two-person teams, freed of measuring tools and superfluous measuring tasks, could cover a lot more ground, establishing presence and declaring absence as surely as the full ten pool protocol used in this study.

Coho salmon distribution is dynamic. The NMFS recognizes the ability of coho salmon to both faithfully return to their natal streams and to recolonize newly-accessible habitat (NMFS 1995). When necessary, coho will bypass their homestream waters and spawn elsewhere, as they did in the Kalama River when the eruption of Mt. St. Helens destroyed historic coho habitat in the Toutle River.

We located coho salmon in Salt Creek, a tributary of Horse Creek in the mid-Klamath River region, during 1998. For the preceding ten years Horse Creek offered only damp rocks during summer, certainly no coho salmon. In 1998, with ample flow,

Salt Creek held coho salmon. A coverage greater than the 25% of historically-occupied streams which we accomplished in 1998 is needed to track such a dynamic coho distribution. A project twice the size of ours, with a slimmed-down ten pool protocol, would provide proper coverage for the tracking of the dynamic edges of coho distribution. Such a project would enable surveys to be made of a majority of the accessible streams from the historically coho-occupied list.

LITERATURE CITED

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APPENDIX 1

Streams in the northern California portion of the Southern Oregon-Northern California ESU for which there is coho salmon presence-absence data, listed as they occur along the coastline, running north to south.

- The STREAM column contains the name of the stream being reported.
- DATE is the date of the literature or survey.
- The TYPE column lists LIT for literature, UD for unpublished data, agency acronyms such as CDFG or USFS, where appropriate, and KIER for the firm's 1998 stream survey.
- A "Yes" in the HIST column indicates those streams which have there is an historical record of coho salmon occupancy.
- The COHO column lists whether the data indicates coho salmon to be present or absent
- The S or J column tracks spawner vs. juvenile data.
- # COHO, # STEELHEAD, # POOLS and COHO LOCATION were filled in when possible.
- COUNTY is for the County in which the data was gathered.

1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte		
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte		
1988 LIT	Hassler, T. J.	Yes	Present		Del Norte		
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte		
1988 LIT	Hassler, T. J.	Yes	Present		Del Norte		
1991 LIT	Brown & Moyle	Yes	Present		Del Norte		
1940 LIT	Shapovalov	Yes	Present	Spawner	Del Norte		
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte		
1996 LIT	Ellis, R.H. [via Simpson Timber Co]	Yes	Present	Juvenile			
1967 LIT	Atkinson, Rose & Duncan	Yes	Present		Del Norte		
1982 LIT	Burger, J.	Yes	Present		Del Norte		
1988 LIT	Hassler, T. J.	Yes	Present		Del Norte		
1953 CDFG	Eureka Office, Kimsey	Yes	Present	Juvenile	Del Norte		
1980 USFS	Gasquet Dist	Yes	Absent	Juvenile	Del Norte		
1984 UD	Rowdy Creek Fish Hatchery	Yes	Present	Spawner	20	Del Norte	Rowdy Cr. Hatchery
1985 UD	Rowdy Creek Fish Hatchery	Yes	Present	Spawner	21	Del Norte	Rowdy Cr. Hatchery
1986 UD	Rowdy Creek Fish Hatchery	Yes	Present	Spawner	17	Del Norte	Rowdy Cr. Hatchery
1987 UD	Rowdy Creek Fish Hatchery	Yes	Present	Spawner	6	Del Norte	Rowdy Cr. Hatchery
1988 UD	Rowdy Creek Fish Hatchery	Yes	Present	Spawner	16	Del Norte	Rowdy Cr. Hatchery
1989 UD	Rowdy Creek Fish Hatchery	Yes	Present	Spawner	2	Del Norte	Rowdy Cr. Hatchery
1990 UD	Rowdy Creek Fish Hatchery	Yes	Present	Spawner	8	Del Norte	Rowdy Cr. Hatchery
1991 UD	Rowdy Creek Fish Hatchery	Yes	Present	Spawner	4	Del Norte	Rowdy Cr. Hatchery
1992 UD	Rowdy Creek Fish Hatchery	Yes	Present	Spawner	10	Del Norte	Rowdy Cr. Hatchery
1993 UD	Rowdy Creek Fish Hatchery	Yes	Present	Spawner	12	Del Norte	Rowdy Cr. Hatchery
1994 UD	Rowdy Creek Fish Hatchery	Yes	Present	Spawner	20	Del Norte	Rowdy Cr. Hatchery
1994 USFS	Six Rivers, S.O	Yes	Present	Juvenile		Del Norte	
1994 UD	Scriven, Joseph	Yes	Present	Juvenile		Del Norte	
1995 LIT	Ellis, R.H. [via Scriven/Roelofs]	Yes	Present	Juvenile		Del Norte	
1996 UD	Rowdy Creek Fish Hatchery	Yes	Present	Spawner	135	Del Norte	Rowdy Cr. Hatchery
1997 UD	Rowdy Creek Fish Hatchery	Yes	Present	Spawner	29	Del Norte	Rowdy Cr. Hatchery
1998 UD	Rowdy Creek Fish Hatchery	Yes	Present	Spawner	65	Del Norte	Rowdy Cr. Hatchery
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte		
1988 LIT	Hassler, T. J.	Yes	Present		Del Norte		
1978 USFS	Gasquet District	Yes	Absent	Juvenile		Del Norte	
1988 LIT	Hassler, T. J.	Yes	Present		Del Norte		
1994 UD	Scriven, Joseph	Yes	Absent	Juvenile		Del Norte	T18N,R1E,NW1/4 SEC.20
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte		
1980 USFS	Gasquet Dist	Yes	Absent	Juvenile		Del Norte	
1988 LIT	Hassler, T. J.	Yes	Present		Del Norte		
1998 KIER	Kier Associates	Yes	Present	Juvenile	2 343	3 Del Norte	T 18N, R 1E, NW 1/4 Sec 30
1953 CDFG	Eureka Office, Kimsey	Yes	Present	Juvenile		Del Norte	
1995 LIT	Ellis, R.H. [via Scriven/Roelofs]	Yes	Present	Juvenile		Del Norte	
1952 LIT	Hallock, Warner and Fry	Yes	Present			Del Norte	
1952 LIT	Hallock, Warner and Fry	Yes	Present			Del Norte	

1988	LIT	Hassler, T. J.	Yes	Present		Del Norte	
1980	UD	Jim Waldvogel	Yes	Present	Spawner	11	Del Norte
1981	UD	Jim Waldvogel	Yes	Present	Spawner	2	Del Norte
1982	UD	Jim Waldvogel	Yes	Present	Spawner	4	Del Norte
1983	UD	Jim Waldvogel	Yes	Present	Spawner	3	Del Norte
1984	UD	Jim Waldvogel	Yes	Present	Spawner	6	Del Norte
1985	UD	Jim Waldvogel	Yes	Present	Spawner	28	Del Norte
1986	UD	Jim Waldvogel	Yes	Present	Spawner	11	Del Norte
1987	UD	Jim Waldvogel	Yes	Present	Spawner	27	Del Norte
1988	UD	Jim Waldvogel	Yes	Present	Spawner	5	Del Norte
1989	UD	Jim Waldvogel	Yes	Present	Spawner	13	Del Norte
1990	UD	Jim Waldvogel	Yes	Present	Spawner	2	Del Norte
1991	UD	Jim Waldvogel	Yes	Present	Spawner	7	Del Norte
1992	UD	Jim Waldvogel	Yes	Present	Spawner	7	Del Norte
1993	UD	Jim Waldvogel	Yes	Present	Spawner	22	Del Norte
1994	UD	Jim Waldvogel	Yes	Present	Spawner	9	Del Norte
1995	UD	Jim Waldvogel	Yes	Present	Spawner	21	Del Norte
1996	UD	Jim Waldvogel	Yes	Present	Spawner	11	Del Norte
1994	USFS	Six Rivers S.O.	Yes	Present	Juvenile		Del Norte
1995	UD	Joe Scriven & T. Hayden	Yes	Present	Juvenile		Del Norte
1952	LIT	Hallock, Warner and Fry	Yes	Present			Del Norte
1971	LIT	Burns, J. W.	Yes	Present			Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present			Del Norte
1988	LIT	Hassler, T. J.	Yes	Present			Del Norte
1993	LIT	Ellis, R.H. [via Rellim Redwood]	Yes	Present	Juvenile		Del Norte
1994	LIT	Ellis, R.H. [via Rellim Redwood]	Yes	Present	Juvenile		Del Norte
1995	LIT	Ellis, R.H. [via Rellim Redwood]	Yes	Present	Juvenile		Del Norte
1996	LIT	Ellis, R.H. [via Rellim Redwood]	Yes	Present	Juvenile		Del Norte
1994	LIT	Ellis, R.H. [via Rellim Redwood]		Present	Juvenile		Del Norte
1995	LIT	Ellis, R.H. [via Rellim Redwood]		Present	Juvenile		Del Norte
1996	LIT	Ellis, R.H. [via Rellim Redwood]		Present	Juvenile		Del Norte
1971	LIT	Burns, J. W.	Yes	Present			Del Norte
1994	LIT	Ellis, R.H. [via Rellim Redwood]	Yes	Present	Juvenile		Del Norte
1995	LIT	Ellis, R.H. [via Rellim Redwood]	Yes	Present	Juvenile		Del Norte
1996	LIT	Ellis, R.H. [via Rellim Redwood]	Yes	Present	Juvenile		Del Norte
1952	LIT	Hallock, Warner and Fry	Yes	Present			Del Norte
1971	LIT	Burns, J. W.	Yes	Present			Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present			Del Norte
1985	USFS	Gasquet District	Yes	Present	Juvenile		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present			Del Norte
1993	LIT	Ellis, R.H. [via Scriven/Roelofs]	Yes	Present	Juvenile		Del Norte
1994	UD	Scriven, Joseph	Yes	Present	Juvenile		Del Norte
1995	LIT	Ellis, R.H. [via Scriven/Roelofs]	Yes	Present	Juvenile		Del Norte
1996	LIT	Ellis, R.H. [via Scriven/Roelofs]	Yes	Present	Juvenile		Del Norte
1980-	UD	See Jim Waldvogel under Mill Cr 96	Yes	Present	Spawner		Del Norte

1998	KIER	Kier Associates		Yes	Present	Juvenile	39	66	1	Del Norte	T 15N, R 1E, SE 1/4 Sec.
1995	LIT	Ellis, R.H. [via Scriven/Roelofs]		Present		Juvenile				Del Norte	
1995	LIT	Ellis, R.H. [via Scriven/Roelofs]		Present		Juvenile				Del Norte	
1995	LIT	Ellis, R.H. [via Rellim Redwood]		Present		Juvenile				Del Norte	
1995	LIT	Ellis, R.H. [via Scriven/Roelofs]		Present		Juvenile				Del Norte	
1995	LIT	Ellis, R.H. [via Scriven/Roelofs]		Present		Juvenile				Del Norte	
1997	CDFG	Larry Preston, Eureka Office		Present		Juvenile				Del Norte	
1979	LIT	Boberg & Kenyon [Del Norte]		Yes	Present					Del Norte	
1978	USFS	Gasquet District		Yes	Absent	Juvenile				Del Norte	
1979	LIT	Boberg & Kenyon [Del Norte]		Yes	Present					Del Norte	
1988	LIT	Hassler, T. J.		Yes	Present					Del Norte	
1978	USFS	Gasquet District		Yes	Absent	Juvenile				Del Norte	
1979	LIT	Boberg & Kenyon [Del Norte]		Yes	Present					Del Norte	
1988	LIT	Hassler, T. J.		Yes	Present					Del Norte	
1979	LIT	Boberg & Kenyon [Del Norte]		Yes	Present					Del Norte	
1988	LIT	Hassler, T. J.		Yes	Present					Del Norte	
1993	USFS	Gasquet District		Yes	Absent	Juvenile				Del Norte	
1994	USFS	Coho Status Review		Yes	Absent	Juvenile				Del Norte	
1978	USFS	Gasquet District		Yes	Absent	Juvenile				Del Norte	
1979	LIT	Boberg & Kenyon [Del Norte]		Yes	Present					Del Norte	
1988	LIT	Hassler, T. J.		Yes	Present					Del Norte	
1962	USFS	Gasquet District			Present	Juvenile				Del Norte	
1977	USFS	Gasquet District			Absent	Juvenile				Del Norte	
1994	USFS	Coho Status Review			Absent	Juvenile				Del Norte	
1979	LIT	Boberg & Kenyon [Del Norte]		Yes	Present					Del Norte	
1981	USFS	Gasquet District		Yes	Absent	Juvenile				Del Norte	
1988	LIT	Hassler, T. J.		Yes	Present					Del Norte	
1979	LIT	Boberg & Kenyon [Del Norte]		Yes	Present					Del Norte	
1988	LIT	Hassler, T. J.		Yes	Present					Del Norte	
1994	USFS	Coho Status Review		Yes	Absent	Juvenile				Del Norte	
1977	USFS	Gasquet District			Present	Juvenile				Del Norte	T19N,R2E,SE1/4 SEC. 36
1979	LIT	Boberg & Kenyon [Del Norte]			Present					Del Norte	
1994	USFS	Coho Status Review			Absent	Juvenile				Del Norte	
1979	USFS	Gasquet District			Present	Juvenile				Del Norte	T18N,R2E,NW1/4 SEC. 1
1994	USFS	Coho Status Review			Absent	Juvenile				Del Norte	
1979	LIT	Boberg & Kenyon [Del Norte]		Yes	Present					Del Norte	
1988	LIT	Hassler, T. J.		Yes	Present					Del Norte	
1979	LIT	Boberg & Kenyon [Del Norte]		Yes	Present					Del Norte	
1988	LIT	Hassler, T. J.		Yes	Present					Del Norte	
1994	UD	Scriven, Joesoph		Yes	Present	Juvenile	5	570 >10	Del Norte		
1994	USFS	Coho Status Review		Yes	Present	Juvenile				Del Norte	T17N,R3E,NE1/4 SEC. 5
1994	LIT	Ellis, R.H. [via Scriven/Roelofs]		Yes	Present	Juvenile				Del Norte	
1995	LIT	Ellis, R.H. [via Scriven/Roelofs]		Yes	Present	Juvenile				Del Norte	
1998	KIER	Kier Associates		Yes	Absent		0	713	10	Del Norte	
1978	USFS	Gasquet District		Yes	Absent	Juvenile				Del Norte	
1979	LIT	Boberg & Kenyon [Del Norte]		Yes	Present					Del Norte	

1988 LIT	Hassler, T. J.	Yes	Present	Del Norte
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present	Del Norte
1993 USFS	Gasquet District	Yes	Absent	Juvenile
1988 LIT	Hassler, T. J.	Yes	Present	Del Norte
1995 LIT	Ellis, R.H. [via Scriven/Roelofs]	Yes	Present	Juvenile
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present	Del Norte
1979 USFS	Gasquet District	Yes	Absent	Juvenile
1988 LIT	Hassler, T. J.	Yes	Present	Del Norte
1978 USFS	Gasquet District	Yes	Absent	Juvenile
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present	Del Norte
1988 LIT	Hassler, T. J.	Yes	Present	Del Norte
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present	Del Norte
1988 LIT	Hassler, T. J.	Yes	Present	Del Norte
1963 USFS	Gasquet District	Yes	Present	Juvenile
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present	Del Norte
1988 LIT	Hassler, T. J.	Yes	Present	Del Norte
1993 USFS	Gasquet District	Yes	Absent	Juvenile
1994 USFS	Coho Status Review	Yes	Absent	Juvenile
1962 USFS	Gasquet District	Yes	Present	Juvenile
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present	Del Norte
1988 LIT	Hassler, T. J.	Yes	Present	Del Norte
1993 USFS	Six Rivers S.O.	Yes	Present	Juvenile
1994 USFS	Coho Status Review	Yes	Absent	Juvenile
1978 USFS	Gasquet District	Yes	Absent	Juvenile
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present	Del Norte
1988 LIT	Hassler, T. J.	Yes	Present	Del Norte
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present	Del Norte
1981 USFS	Gasquet District	Yes	Absent	Juvenile
1988 LIT	Hassler, T. J.	Yes	Present	Del Norte
1994 USFS	Coho Status Review	Yes	Absent	Juvenile
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present	Del Norte
1988 LIT	Hassler, T. J.	Yes	Present	Del Norte
1988 USFS	Gasquet District	Yes	Absent	Juvenile
1994 USFS	Coho Status Review	Yes	Absent	Juvenile
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present	Del Norte
1988 LIT	Hassler, T. J.	Yes	Present	Del Norte
1994 USFS	Coho Status Review	Yes	Present	Juvenile
1995 UD	Pers. Comm. Tom Weslogh	Yes	Present	Juvenile
1967 USFS	Gasquet District	Yes	Present	Juvenile
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present	Del Norte
1988 LIT	Hassler, T. J.	Yes	Present	Del Norte
1994 USFS	Coho Status Review	Yes	Present	Juvenile
1995 LIT	Ellis, R.H. [via Scriven/Roelofs]	Present	Present	Del Norte
1979 LIT	Boberg & Kenyon [Del Norte]	Yes	Present	Del Norte
1981 USFS	Gasquet District	Yes	Absent	Juvenile
1988 LIT	Hassler, T. J.	Yes	Present	Del Norte

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1978	USFS	Gasquet District	Yes	Absent	Juvenile	Del Norte
1981	USFS	Gasquet District	Yes	Absent	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1986	USFS	Gasquet District	Yes	Present	Juvenile	Del Norte
1991	LIT	Brown& Moyle	Yes	Present		Del Norte
1994	USFS	Gasquet District	Yes	Present	Spawner	Del Norte
1994	USFS	Coho Status Review	Yes	Absent	Juvenile	Del Norte
1998	KIER	Kier Associates	Yes	Absent		0 1021 10 Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1994	UD	Scriven, Joseph	Yes	Present	Juvenile	Del Norte T15N,R3E,SE1/4Sec. 7
1994	USFS	Coho Status Review	Yes	Present	Juvenile	Del Norte
1995	LIT	Ellis, R.H. [via Scriven/Roelofs]	Yes	Present	Juvenile	Del Norte
1998	KIER	Kier Associates	Yes	Absent		0 751 10 Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1994	USFS	Coho Status Review	Yes	Absent	Juvenile	Del Norte
1994	USFS	Gasquet District	Yes	Absent	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1994	USFS	Gasquet District	Yes	Absent	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1963	USFS	Gasquet District	Yes	Present	Juvenile	Del Norte T14N,R3E,NW1/4 Sec. 2
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1994	USFW	Arcata Office	Yes	Present	Juvenile	Del Norte
1995	UD	Pers. Comm. Tom Weslogh	Yes	Present	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1952	LIT	Hallock, Warner and Fry	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1953	CDFG	Eureka Office [Kimsey]	Yes	Present	Juvenile	Del Norte
1955	LIT	Gibbs & Kimsey	Yes	Present		Del Norte
1989	USFW	Arcata office	Yes	Present		Del Norte
1996	CDFG	Irongate Fish Hatchery	Yes	Present	Spawner	## Siskiyou Irongate Fish Hatchery
1997	CDFG	Irongate Fish Hatchery	Yes	Present	Spawner	## Siskiyou Irongate Fish Hatchery
1998	CDFG	Irongate Fish Hatchery	Yes	Present	Spawner	74+ Siskiyou Irongate Fish Hatchery
1953	CDFG	Eureka Office [Kimsey]	Yes	Present	Juvenile	Del Norte
1955	LIT	Gibbs & Kimsey	Yes	Present		Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Del Norte
1985	LIT	CH2M Hill	Yes	Present		Del Norte

1990	USFW	Arcata Office	Yes	Present	Juvenile	Del Norte
1994	CDFG	McCleod	Yes	Present		Del Norte
1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1997	UD	Yurok Tribal Fisheries	Yes	Present	Juvenile	Del Norte
1985	LIT	CH2M Hill	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1997	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Absent	Juvenile	Del Norte
1953	CDFG	Eureka Office [Kimsey]	Yes	Present	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1997	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Absent	Juvenile	Del Norte
1953	CDFG	Eureka Office [Kimsey]	Yes	Present	Juvenile	Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Absent	Juvenile	Del Norte
1997	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Absent	Juvenile	Del Norte
1985	LIT	CH2M Hill	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1985	LIT	CH2M Hill	Yes	Present		Del Norte
1996	LIT	Ellis R.H. [Yurok E-fish]	Yes	Present	Juvenile	Del Norte
1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1997	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1985	LIT	CH2M Hill	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1997	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1953	CDFG	Eureka Office [Kimsey]	Yes	Present	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1994	CDFG	McCleod	Yes	Present		Del Norte
1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1997	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1953	CDFG	Eureka Office [Kimsey]	Yes	Present	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1985	LIT	CH2M Hill	Yes	Present		Del Norte
1994	CDFG	McCleod	Yes	Present		Del Norte
1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1952	LIT	Hallock, Warner and Fry	Yes	Present		Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1985	LIT	CH2M Hill	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1994	CDFG	McCleod	Yes	Present		Del Norte
1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1997	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1994	CDFG	McCleod	Yes	Present		Del Norte

1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1997	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1985	LIT	CH2M Hill	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1997	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1996	UD	Yurok Tribal Fisheries, Dan Gale		Present	Juvenile	Del Norte
1996	UD	Yurok Tribal Fisheries, Dan Gale		Present	Juvenile	Del Norte
1975	USFS	Leroy Cyre, Six rivers NF Orleans dist.	Yes	Present	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Juvenile	Del Norte
1985	LIT	CH2M Hill	Yes	Present	Juvenile	Del Norte
1988	LIT	Hassler, T. J.	Yes	Present	Juvenile	Del Norte
1994	USFW	Arcata Office	Yes	Present	Juvenile	Del Norte
1995	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present	Juvenile	Del Norte
1988	LIT	Hassler, T. J.	Yes	Present	Juvenile	Del Norte
1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Absent	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1997	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Absent	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Del Norte]	Yes	Present		Del Norte
1985	LIT	CH2M Hill	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Absent	Juvenile	Del Norte
1985	LIT	CH2M Hill	Yes	Present		Del Norte
1988	LIT	Hassler, T. J.	Yes	Present		Del Norte
1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1997	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Del Norte
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1985	LIT	CH2M Hill	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1994	CDFG	McCleod	Yes	Present		Humboldt
1991	LIT	Brown & Moyle	Yes	Present		Humboldt
1991	CDFG	Eureka Office	Yes	Present	Juvenile	Humboldt
1994	CDFG	McCleod	Yes	Present		Humboldt
1997	CDFG	Eureka Office, Larry Preston	Yes	Present	Juvenile	Humboldt
1997	LIT	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Humboldt
1985	LIT	CH2M Hill	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1990	USFW	Arcata Office	Yes	Present	Juvenile	1 29 Humboldt
1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile	Humboldt

1997	UD	Yurok Tribal Fisheries, Dan Gale	Present	Juvenile	Humboldt			
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt			
1985	LIT	CH2M Hill	Yes	Present	Humboldt			
1988	LIT	Hassler, T. J.	Yes	Present	Humboldt			
1990	USFW	Arcata Office	Yes	Present	Juvenile	12	65	Humboldt
1994	CDFG	McCleod	Yes	Present	Humboldt			
1996	LIT	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile			Humboldt
1996	UD	Yurok Tribal Fisheries, Dan Gale		Present	Juvenile			Humboldt
1997	UD	Yurok Tribal Fisheries, Dan Gale		Present	Juvenile			Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present				Humboldt
1985	LIT	CH2M Hill	Yes	Present				Humboldt
1988	LIT	Hassler, T. J.	Yes	Present				Humboldt
1996	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile			Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present				Humboldt
1988	LIT	Hassler, T. J.	Yes	Present				Humboldt
1997	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Absent	Juvenile			Humboldt
1990	USFW	Arcata Office	Yes	Present	Juvenile	13	6	Humboldt
1985	LIT	CH2M Hill	Yes	Present				Humboldt
1988	LIT	Hassler, T. J.	Yes	Present				Humboldt
1996	LIT	Ellis R.H. [Yurok E-fish]	Yes	Present	Juvenile			Humboldt
1997	UD	Yurok Tribal Fisheries, Dan Gale	Yes	Present	Juvenile			Humboldt
1985	LIT	CH2M Hill	Yes	Present				Humboldt
1988	LIT	Hassler, T. J.	Yes	Present				Humboldt
1990	USFW	Arcata Office		Present	Juvenile	1	287	Humboldt
1985	LIT	CH2M Hill	Yes	Present				Humboldt
1988	LIT	Hassler, T. J.	Yes	Present				Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present				Humboldt
1988	LIT	Hassler, T. J.	Yes	Present				Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present				Humboldt
1988	LIT	Hassler, T. J.	Yes	Present				Humboldt
1989	USFS	Six Rivers S.O.	Yes	Present	Juvenile			Humboldt
1993	USFS	Six Rivers S.O.	Yes	Present	Juvenile			Humboldt
1994	USFS	Orleans District	Yes	Absent				Humboldt
1993	USFS	Orleans District		Present	Juvenile			Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present				Humboldt
1985	LIT	CH2M Hill	Yes	Present				Humboldt
1988	LIT	Hassler, T. J.	Yes	Present				Humboldt
1990	USFS	Six Rivers S.O.	Yes	Present				Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present				Humboldt
1985	LIT	CH2M Hill	Yes	Present				Humboldt
1988	LIT	Hassler, T. J.	Yes	Present				Humboldt
1989	USFS	Six Rivers S.O.	Yes	Present	Juvenile			Humboldt
1991	USFS	Orleans District	Yes	Present	Juvenile			Humboldt
1992	USFS	Orleans District	Yes	Present	Juvenile			Humboldt
1994	USFS	Orleans District	Yes	Present	Juvenile			Humboldt
1994	USFS	Orleans District		Present	Juvenile			Humboldt
								36,000' up from mouth
								35,200' up from mouth
								T9N,R5E,NE1/4 Sec.1

1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1985 LIT	CH2M Hill	Yes	Present		Humboldt
1988 LIT	Hassler, T. J.	Yes	Present		Humboldt
1994 USFS	Coho Status Review	Yes	Absent	Juvenile	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1985 LIT	CH2M Hill	Yes	Present		Humboldt
1988 LIT	Hassler, T. J.	Yes	Present		Humboldt
1989 USFS	Orleans District	Yes	Present	Juvenile	Humboldt T11N,R5E,NW1/4 Sec. 9
1991 USFS	Orleans District	Yes	Present	Juvenile	Humboldt 11,000' up from mouth
1991 LIT	Regnart, J.R.	Yes	Present		Humboldt
1992 USFS	Orleans District	Yes	Present	Juvenile	Humboldt 20,000' up from mouth
1994 USFS	Orleans District	Yes	Present	Juvenile	Humboldt T11N,R5E,NE1/4 Sec.23
1998 KIER	Kier Associates	Yes	Present	Juvenile	2 62 1 Humboldt
1988 USFS	Happy Camp District	Yes	Present	Juvenile	Siskiyou T13N,R6E,SE1/4 Sec. 33
1991 LIT	Brown & Moyle	Yes	Present		Siskiyou
1994 USFS	Happy Camp District	Yes	Present	Juvenile	Siskiyou
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Siskiyou
1988 LIT	Hassler, T. J.	Yes	Present		Siskiyou
1994 USFS	Happy Camp District	Yes	Present	Juvenile	Siskiyou
1994 USFS	Happy Camp District		Present	Juvenile	Siskiyou
1994 USFS	Happy Camp District		Present	Juvenile	Siskiyou
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Siskiyou
1988 LIT	Hassler, T. J.	Yes	Present		Siskiyou
1994 USFS	Coho Status Review	Yes	Absent	Juvenile	Siskiyou
1994 USFS	Coho Status Review		Absent	Juvenile	Siskiyou
1994 USFS	Coho Status Review		Absent	Juvenile	Siskiyou
1994 USFS	Coho Status Review		Present	Juvenile	9 155 >10 Siskiyou
1998 KIER	Kier Associates		Present	Juvenile	3 51 1 Siskiyou 14N,6ESW1/4Sec.16
1990 USFS	Happy Camp District	Yes	Present	Spawner	Siskiyou
1991 LIT	Brown & Moyle	Yes	Present		Siskiyou
1994 CDFG	Yreka Office	Yes	Present	Juvenile	Siskiyou
1967 LIT	Atkinson, Rose & Duncan	Yes	Present		Siskiyou
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Siskiyou
1985 LIT	CH2M Hill	Yes	Present		Siskiyou
1988 LIT	Hassler, T. J.	Yes	Present		Siskiyou
1992 USFS	Happy Camp District	Yes	Present	Juvenile	1 1 Siskiyou T16N,R6E,SW1/4 Sec. 32
1994 USFS	Coho Status Review	Yes	Absent	Juvenile	Siskiyou
1998 KIER	Kier Associates	Yes	Absent	Juvenile	0 184 10 Siskiyou
1994 USFS	Happy Camp District		Present	Juvenile	Siskiyou
1993 USFS	Happy Camp District		Present	Juvenile	Siskiyou T16N,7E,SW1/4 Sec. 32
1992 USFS	Happy Camp District		Present	Juvenile	Siskiyou T16N,R7E,NE1/4 Sec.17
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Siskiyou
1988 LIT	Hassler, T. J.	Yes	Present		Siskiyou
1988 USFS	Happy Camp District	Yes	Present	Spawner	11 Siskiyou Confluence of Bear Creek
1989 CDFG	Iron Gate Hatchery Release	Yes	Present	Juvenile	Siskiyou
1989 USFS	Happy Camp District	Yes	Present	Juvenile	## ## >10 Siskiyou

1990	USFS	Happy Camp District	Yes	Present	Juvenile	##	## >10	Siskiyou
1990	USFS	Happy Camp District	Yes	Present	Spawner	1		Siskiyou
1991	USFS	Happy Camp District	Yes	Present	Juvenile	50	## >10	Siskiyou
1992	USFS	Happy Camp District	Yes	Present	Juvenile	##	## >10	Siskiyou
1993	USFS	Happy Camp District	Yes	Present	Juvenile	16	730 >10	Siskiyou
1993	USFS	Happy Camp District	Yes	Present	Spawner	1		Siskiyou
1994	USFS	Happy Camp District	Yes	Present	Juvenile	143	## >10	Siskiyou
1998	USFS	Happy Camp District, John Gronbaum	Yes	Present	Juvenile			
1988	USFS	Happy Camp District	Yes	Present	Spawner	4		Siskiyou
1990	USFS	Happy Camp District	Yes	Present	Juvenile	8	926 >10	Siskiyou
1991	LIT	Brown & Moyle	Yes	Present				Siskiyou
1998	USFS	Happy Camp District, John Gronbaum	Yes	Present	Juvenile			Siskiyou
1994	USFS	Happy Camp District		Present	Juvenile			Siskiyou
1988	USFS	Happy Camp District		Present	Spawner	1		Siskiyou
1988	USFS	Happy Camp District		Present	Juvenile			Siskiyou
1989	USFS	Happy Camp District		Present	Juvenile	20	## >10	Siskiyou
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present				Siskiyou
1985	LIT	CH2M Hill	Yes	Present				Siskiyou
1987	USFS	Happy Camp District	Yes	Present	Juvenile			Siskiyou
1987	USFS	Happy Camp District	Yes	Present	Spawner	16		Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present				Siskiyou
1988	USFS	Happy Camp District	Yes	Present	Juvenile			Siskiyou
1989	CDFG	Iron Gate Hatchery Release	Yes	Present	Juvenile			Siskiyou
1989	USFS	Happy Camp District	Yes	Present	Juvenile	##	##	Siskiyou
1991	USFS	Happy Camp District	Yes	Present	Spawner	1		Siskiyou
1993	USFS	Happy Camp District	Yes	Present	Spawner	18		Siskiyou
1994	USFS	Happy Camp District	Yes	Present	Juvenile			Siskiyou
1990	USFS	Happy Camp District		Present	Juvenile	133	793 >10	Siskiyou
1991	USFS	Happy Camp District		Present	Juvenile			Siskiyou
1985	LIT	CH2M Hill	Yes	Present				Siskiyou
1991	USFS	Happy Camp District	Yes	Present	Juvenile			Siskiyou
1991	LIT	Brown & Moyle	Yes	Present				Siskiyou
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present				Siskiyou
1985	LIT	CH2M Hill	Yes	Present				Siskiyou
1988	USFS	Happy Camp District	Yes	Present	Juvenile			Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present				Siskiyou
1988	USFS	Happy Camp District	Yes	Present	Juvenile			Siskiyou
1991	USFS	Happy Camp District	Yes	Present	Juvenile	13	578 >10	Siskiyou
1991	LIT	Brown & Moyle	Yes	Present				Siskiyou
1988	USFS	Klamath S. O.	Yes	Present	Juvenile			Siskiyou
1988	USFS	Happy Camp District	Yes	Present	Spawner	4		Siskiyou
1991	USFS	Happy Camp District	Yes	Present	Juvenile			Siskiyou
1991	LIT	Brown & Moyle	Yes	Present				Siskiyou
1997	USFS	Happy Camp District	Yes	Present	Juvenile			Siskiyou
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present				Siskiyou
1988	USFS	Klamath S. O.	Yes	Present	Juvenile			Siskiyou

1988 LIT	Hassler, T. J.	Yes	Present			Siskiyou
1988 USFS	Klamath S. O.	Yes	Present	Spawner	2	Siskiyou
1990 USFS	Happy Camp District	Yes	Present	Juvenile	32	## >10 Siskiyou
1998 KIER	Kier Associates	Yes	Absent		0 390 10	Siskiyou
1992 LIT	Ellis, R.H. [via Fruit Growers]		Present	Juvenile		Siskiyou
1998 KIER	Kier Associates		Present	Juvenile	3 48 1	Siskiyou T47N,R12W,SW 1/4 Sec. 32
1992 LIT	Ellis, R.H. [via Fruit Growers]		Present	Juvenile		Siskiyou
1998 KIER	Kier Associates		Present	Juvenile	1 49 1	Siskiyou T47N,R12W,NW 1/2 Sec.
1954 CDFG	Yreka Office	Yes	Present	Juvenile		Siskiyou
1955 CDFG	Yreka Office	Yes	Present	Juvenile		Siskiyou
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present			Siskiyou
1985 LIT	CH2M Hill	Yes	Present			Siskiyou
1988 USFS	Happy Camp District	Yes	Present	Juvenile		Siskiyou
1991 USFS	Oak Knoll District	Yes	Present	Juvenile	## ## >10	Siskiyou
1992 USFS	Oak Knoll District	Yes	Present	Juvenile		Siskiyou
1994 USFS	Coho Status Review	Yes	Present	Juvenile	97 116 >10	Siskiyou T47N,R11W,SW1/4 Sec.
1998 KIER	Kier Associates	Yes	Present	Juvenile	31 11 1	Siskiyou T47N,R11W,SW1/4 Sec.
1992 LIT	Ellis, R.H. [via Fruit Growers]		Present	Juvenile		Siskiyou
1992 LIT	Ellis, R.H. [via Fruit Growers]		Present	Juvenile		Siskiyou
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present			Siskiyou
1985 LIT	CH2M Hill	Yes	Present			Siskiyou
1989 LIT	Ellis, R.H. [via Fruit Growers]	Yes	Present	Juvenile		Siskiyou
1989 USFS	Klamath S. O.	Yes	Present	Juvenile	32 960 >10	Siskiyou
1991 LIT	Brown & Moyle	Yes	Present			Siskiyou
1991 CDFG	Yreka Office	Yes	Present	Juvenile		Siskiyou
1993 USFS	Oak Knoll District	Yes	Present	Juvenile		Siskiyou
1998 KIER	Kier Associates	Yes	Absent		0 193	Siskiyou
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present			Siskiyou
1988 LIT	Hassler, T. J.	Yes	Present			Siskiyou
1991 USFS	Oak Knoll District		Present	Juvenile		Siskiyou T45N,R12W,SE1/4 Sec.1
1991 LIT	Ellis, R.H. [via Fruit Growers]		Present	Juvenile		Siskiyou
1954 CDFG	Yreka Office	Yes	Present	Juvenile		Siskiyou
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present			Siskiyou
1985 LIT	CH2M Hill	Yes	Present			Siskiyou
1988 LIT	Hassler, T. J.	Yes	Present			Siskiyou
1990 LIT	Ellis, R.H. [via Fruit Growers]	Yes	Present	Juvenile		Siskiyou
1990 USFS	Oak Knoll District	Yes	Present	Juvenile	## ## >10	Siskiyou
1992 USFS	Oak Knoll District	Yes	Present	Juvenile		Siskiyou
1994 USFS	Coho Status Review	Yes	Present	Juvenile	91 ## >10	Siskiyou
1998 KIER	Kier Associates	Yes	Present	Juvenile	2 38 1	Siskiyou T46N, R10W NW 1/4 Sec. 7
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present			Siskiyou
1985 LIT	CH2M Hill	Yes	Present			Siskiyou
1988 LIT	Hassler, T. J.	Yes	Present			Siskiyou
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present			Siskiyou
1988 LIT	Hassler, T. J.	Yes	Present			Siskiyou

1990	USFS	Oak Knoll District	Yes	Present	Juvenile	Siskiyou					
1990	LIT	Ellis, R.H. [via Fruit Growers]	Yes	Present	Juvenile	Siskiyou					
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Siskiyou					
1988	LIT	Hassler, T. J.	Yes	Present		Siskiyou					
1994	USFS	Coho Status Review	Yes	Absent	Juvenile	Siskiyou					
1998	KIER	Kier Associates	Yes	Present	Juvenile		2	11	1	Siskiyou	T47N, R11W, SE 1/4 Sec. 35
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Siskiyou					
1988	LIT	Hassler, T. J.	Yes	Present		Siskiyou					
1998	KIER	Kier Associates	Yes	Absent			0	142	10	Siskiyou	
1998	KIER	Kier Associates		Present	Juvenile		3	8	1	Siskiyou	T 47N, R 9W, NE1/2 Sec.13
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Siskiyou					
1985	LIT	CH2M Hill	Yes	Present		Siskiyou					
1989	CDFG	Iron Gate Hatchery Release	Yes	Present	Juvenile	Siskiyou					
1989	USFS	Oak Knoll District	Yes	Present	Juvenile		40	## >10	Siskiyou	T41S,R1W,NW1/4 Sec. 8	
1991	LIT	Brown & Moyle	Yes	Present		Siskiyou					
1991	CDFG	Yreka Office	Yes	Present	Juvenile	Siskiyou					
1992	USFS	Oak Knoll District	Yes	Present	Juvenile	Siskiyou					
1996	UD	Nels Brownell	Yes	Present	Juvenile	Siskiyou					T47N,R9W,NW1/4 Sec. 2
1997	FGSC	Fruit Growers Supply Co.	Yes	Present	Juvenile		28	127	8	Siskiyou	T 48N, R 8W, Sec.33
1998	KIER	Kier Associates	Yes	Present	Juvenile		7	65	1	Siskiyou	T 46N, R 8W, NE1/4 Sec.
1985	USFS	Klamath National Forest, Ernie Miller		Present	Juvenile	Siskiyou					
1989	USFS	Oak Knoll District		Present	Juvenile		43	## >10	Siskiyou		
1992	USFS	Klamath National Forest, Steve Fox		Present	Juvenile	Siskiyou					
1992	USFS	Klamath National Forest, Steve Fox		Present	Juvenile	Siskiyou					
1989	LIT	Ellis, R.H. [via Fruit Growers]		Present	Juvenile	Siskiyou					
1992	USFS	Klamath National Forest, Steve Fox		Present	Juvenile	Siskiyou					
1985	LIT	CH2M Hill	Yes	Present		Siskiyou					
1988	LIT	Hassler, T. J.	Yes	Present		Siskiyou					
1989	LIT	Ellis, R.H. [via Fruit Growers]	Yes	Present	Juvenile	Siskiyou					
1992	USFS	Oak Knoll District	Yes	Present	Juvenile	Siskiyou					T45N,R8W,SW1/4 Sec. 2
1998	KIER	Kier Associates	Yes	Present	Juvenile		2	63	2	Siskiyou	T 46N, R 7W, SW 1/4 Sec.16
1989	LIT	Ellis, R.H. [via Fruit Growers]	Yes	Present	Juvenile	Siskiyou					
1998	KIER	Kier Associates	Yes	Absent			0	112	10	Siskiyou	
1992	USFS	Klamath National Forest, Ernie Miller	Yes	Present	Juvenile	Siskiyou					
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Siskiyou					
1985	LIT	CH2M Hill	Yes	Present		Siskiyou					
1988	LIT	Hassler, T. J.	Yes	Present		Siskiyou					
1993	LIT	Ellis, R.H. [via Fruit Growers]	Yes	Present	Juvenile	Siskiyou					
1992	LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile	Siskiyou					
1993	LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile	Siskiyou					
1992	LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile	Siskiyou					
1993	LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile	Siskiyou					
1992	LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile	Siskiyou					
1993	LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile	Siskiyou					
1992	LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile	Siskiyou					

1993 LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile		Siskiyou
1991 LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile		Siskiyou
1992 LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile		Siskiyou
1993 LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile		Siskiyou
1989 LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile		Siskiyou
1990 LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile		Siskiyou
1991 LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile		Siskiyou
1992 LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile		Siskiyou
1993 LIT	Ellis, R.H. [via Sierra Pacific]		Present	Juvenile		Siskiyou
1934 CDFG	Shasta Rack Counts	Yes	Present	Spawner	671 ##	Siskiyou
1936 CDFG	Shasta Rack Counts	Yes	Present	Spawner	199 ##	Siskiyou
1937 CDFG	Shasta Rack Counts	Yes	Present	Spawner	## ##	Siskiyou
1939 CDFG	Shasta Rack Counts	Yes	Present	Spawner	2 ##	Siskiyou
1940 CDFG	Shasta Rack Counts	Yes	Present	Spawner	## ##	Siskiyou
1941 CDFG	Shasta Rack Counts	Yes	Present	Spawner	152 ##	Siskiyou
1942 CDFG	Shasta Rack Counts	Yes	Present	Spawner	44 1178	Siskiyou
1943 CDFG	Shasta Rack Counts	Yes	Present	Spawner	74 ##	Siskiyou
1944 CDFG	Shasta Rack Counts	Yes	Present	Spawner	0 382	Siskiyou
1945 CDFG	Shasta Rack Counts	Yes	Present	Spawner	15 455	Siskiyou
1946 CDFG	Shasta Rack Counts	Yes	Present	Spawner	29 93	Siskiyou
1947 CDFG	Shasta Rack Counts	Yes	Present	Spawner	7 195	Siskiyou
1948 CDFG	Shasta Rack Counts	Yes	Present	Spawner	## ##	Siskiyou
1949 CDFG	Shasta Rack Counts	Yes	Present	Spawner	## 382	Siskiyou
1950 CDFG	Shasta Rack Counts	Yes	Present	Spawner	312 506	Siskiyou
1951 CDFG	Shasta Rack Counts	Yes	Present	Spawner	160 110	Siskiyou
1952 CDFG	Shasta Rack Counts	Yes	Present	Spawner	16 103	Siskiyou
1953 CDFG	Shasta Rack Counts	Yes	Present	Spawner	22 128	Siskiyou
1954 CDFG	Shasta Rack Counts	Yes	Present	Spawner	2 112	Siskiyou
1955 CDFG	Shasta Rack Counts	Yes	Present	Spawner	0 77	Siskiyou
1597 CDFG	Shasta Rack Counts	Yes	Present	Spawner	310 808	Siskiyou
1958 CDFG	Shasta Rack Counts	Yes	Present	Spawner	147 871	Siskiyou
1959 CDFG	Shasta Rack Counts	Yes	Present	Spawner	36 171	Siskiyou
1960 CDFG	Shasta Rack Counts	Yes	Present	Spawner	12 64	Siskiyou
1961 CDFG	Shasta Rack Counts	Yes	Present	Spawner	14 884	Siskiyou
1962 CDFG	Shasta Rack Counts	Yes	Present	Spawner	0 159	Siskiyou
1963 CDFG	Shasta Rack Counts	Yes	Present	Spawner	105 159	Siskiyou
1964 CDFG	Shasta Rack Counts	Yes	Present	Spawner	5 ##	Siskiyou
1965 CDFG	Shasta Rack Counts	Yes	Present	Spawner	0 580	Siskiyou
1966 CDFG	Shasta Rack Counts	Yes	Present	Spawner	0 264	Siskiyou
1967 CDFG	Shasta Rack Counts	Yes	Present	Spawner	0 652	Siskiyou
1968 CDFG	Shasta Rack Counts	Yes	Present	Spawner	2 515	Siskiyou
1969 CDFG	Shasta Rack Counts	Yes	Present	Spawner	0 ##	Siskiyou
1970 CDFG	Shasta Rack Counts	Yes	Present	Spawner	241 842	Siskiyou
1971 CDFG	Shasta Rack Counts	Yes	Present	Spawner	74 ##	Siskiyou
1972 CDFG	Shasta Rack Counts	Yes	Present	Spawner	164 414	Siskiyou
1973 CDFG	Shasta Rack Counts	Yes	Present	Spawner	156 468	Siskiyou

1974	CDFG	Shasta Rack Counts	Yes	Present	Spawner	162	91	Siskiyou
1975	CDFG	Shasta Rack Counts	Yes	Present	Spawner	196	504	Siskiyou
1976	CDFG	Shasta Rack Counts	Yes	Present	Spawner	124	512	Siskiyou
1977	CDFG	Shasta Rack Counts	Yes	Present	Spawner	##	268	Siskiyou
1978	CDFG	Shasta Rack Counts	Yes	Present	Spawner	##	375	Siskiyou
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present				Siskiyou
1979	CDFG	Shasta Rack Counts	Yes	Present	Spawner	##	##	Siskiyou
1980	CDFG	Shasta Rack Counts	Yes	Present	Spawner	418	##	Siskiyou
1981	CDFG	Shasta Rack Counts	Yes	Present	Spawner	33	218	Siskiyou
1982	CDFG	Shasta Rack Counts	Yes	Present	Spawner	##	##	Siskiyou
1983	CDFG	Shasta Rack Counts	Yes	Present	Spawner	36	222	Siskiyou
1984	CDFG	Shasta Rack Counts	Yes	Present	Spawner	##	579	Siskiyou
1985	LIT	CH2M Hill	Yes	Present				Siskiyou
1985	CDFG	Shasta Rack Counts	Yes	Present	Spawner	3	95	Siskiyou
1986	CDFG	Shasta Rack Counts	Yes	Present	Spawner	31	0	Siskiyou
1987	CDFG	Shasta Rack Counts	Yes	Present	Spawner	24	38	Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present				Siskiyou
1988	CDFG	Shasta Rack Counts	Yes	Present	Spawner	3	23	Siskiyou
1989	USFS	Klamath S. O.	Yes	Present	Juvenile	40	## >10	Siskiyou
1989	CDFG	Shasta Rack Counts	Yes	Present	Spawner	6	12	Siskiyou
1990	CDFG	Shasta Rack Counts	Yes	Present	Spawner	2	12	Siskiyou
1991	CDFG	Shasta Rack Counts	Yes	Present	Spawner	5	11	Siskiyou
1992	CDFG	Shasta Rack Counts	Yes	Present	Spawner	3	10	Siskiyou
1993	CDFG	Shasta Rack Counts	Yes	Present	Spawner	4	4	Siskiyou
1994	CDFG	Shasta Rack Counts	Yes	Present	Spawner	17	6	Siskiyou
1995	CDFG	Shasta Rack Counts	Yes	Present	Spawner	17	9	Siskiyou
1996	CDFG	Shasta Rack Counts	Yes	Present	Spawner	0	5	Siskiyou
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present				Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present				Siskiyou
1993	CDFG	Yreka Office		Present	Juvenile			Siskiyou
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present				Siskiyou
1985	LIT	CH2M Hill	Yes	Present				Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present				Siskiyou
1995	CDFG	Yreka Office, Dennis Maria		Present	Juvenile	##		Siskiyou
1996	CDFG	Yreka Office, Dennis Maria		Present	Juvenile	37		Siskiyou
1997	CDFG	Yreka Office, Dennis Maria		Present	Juvenile	##		Siskiyou
1995	CDFG	Yreka Office, Dennis Maria		Present	Juvenile	37		Siskiyou
1996	CDFG	Yreka Office, Dennis Maria		Present	Juvenile	21		Siskiyou
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present				Siskiyou
1986	CDFG	Iron Gate Hatchery Records	Yes	Present	Juvenile			Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present				Siskiyou
1994	CDFG	Yreka Office	Yes	Present	Juvenile			Siskiyou
1994	CDFG	Yreka Office		Present	Juvenile			Siskiyou
1977	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	##		Humboldt
1978	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	##		Humboldt
1979	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	##		Humboldt

1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1980	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	## Humboldt
1981	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	## Humboldt
1982	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	## Humboldt
1983	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	## Humboldt
1984	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	## Humboldt
1985	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	## Humboldt
1985	LIT	CH2M Hill	Yes	Present		Humboldt
1986	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	## Humboldt
1987	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	## Humboldt
1988	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	## Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1989	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	## Humboldt
1990	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	## Humboldt
1991	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	## Humboldt
1992	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	## Humboldt
1993	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	## Humboldt
1994	LIT	CDFG Trinity River Annual Report	Yes	Present	Spawner	## Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1985	LIT	CH2M Hill	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1994	UD	Ken Norton, Hoopa Valley Tribal Fisheries Data	Present			Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1985	LIT	CH2M Hill	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1994	UD	Bob Franklin, Hoopa Tribal Survey	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1985	LIT	CH2M Hill	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1994	UD	Bob Franklin, Hoopa Tribal Survey	Yes	Present	Juvenile	Humboldt
1985	LIT	CH2M Hill	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1985	LIT	CH2M Hill	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1991	LIT	Brown & Moyle	Yes	Present		Humboldt
1992	USFS	Lower Trinity District	Yes	Present	Juvenile	Humboldt
1994	USFS	Six Rivers S. O.	Yes	Present	Juvenile	Humboldt
1991	USFS	Lower Trinity District	Present		Juvenile	Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1990	USFS	Six Rivers S. O.	Yes	Present	Juvenile	Humboldt
1991	USFW	Mark Magneson, Arcata Office	Yes	Present	Juvenile	Humboldt
1992	USFS	Lower Trinity District	Yes	Present	Juvenile	Humboldt
						T7N,R6E,NE1/4 Sec. 9
						T7N,R5E,SW1/4 Sec.3
						T7N,R5E,SE1/4 Sec. 30

1993	USFS	Lower Trinity District	Yes	Present	Juvenile	Humboldt
1967	LIT	Atkinson, Rose & Duncan	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1982	LIT	Berger, J.	Yes	Present		Humboldt
1984	LIT	Jong, W.H. & T. Mills 1992	Yes	Present	Spawner	Humboldt
1985	LIT	Jong, W.H. & T. Mills 1992	Yes	Present	Spawner	Humboldt
1986	LIT	Jong, W.H. & T. Mills 1992	Yes	Present	Spawner	Humboldt
1987	LIT	Jong, W.H. & T. Mills 1992	Yes	Present	Spawner	Humboldt
1988	LIT	Jong, W.H. & T. Mills 1992	Yes	Present	Spawner	Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1989	LIT	Jong, W.H. & T. Mills 1992	Yes	Present	Spawner	Humboldt
1991	USFS	Shasta Trinity S. O.	Yes	Absent	Juvenile	Humboldt
1994	USFS	Coho Status Review	Yes	Present	Juvenile	Humboldt
1992	USFS	Lower Trinity District		Present	Juvenile	Humboldt
1994	USFS	Coho Status Review		Present	Juvenile	44 312 >100 Humboldt
1979	LIT	Boberg & Kenyob [Trinity]	Yes	Present		Trinity
1988	LIT	Hassler, T. J.	Yes	Present		Trinity
1979	LIT	Boberg & Kenyob [Trinity]	Yes	Present		Trinity
1988	LIT	Hassler, T. J.	Yes	Present		Trinity
1993	USFS	Shasta Trinity S. O.	Yes	Absent	Juvenile	Trinity
1979	LIT	Boberg & Kenyob [Trinity]	Yes	Present		Trinity
1985	LIT	CH2M Hill	Yes	Present		Trinity
1988	LIT	Hassler, T. J.	Yes	Present		Trinity
1992	USFS	Shasta Trinity S. O.	Yes	Absent	Juvenile	Trinity
1994	USFS	Coho Status Review	Yes	Absent	Juvenile	Trinity
1979	LIT	Boberg & Kenyob [Trinity]	Yes	Present		Trinity
1988	LIT	Hassler, T. J.	Yes	Present		Trinity
1990	USFS	Shasta Trinity S. O.	Yes	Absent	Juvenile	Trinity
1979	LIT	Boberg & Kenyob [Trinity]	Yes	Present		Trinity
1988	LIT	Hassler, T. J.	Yes	Present		Trinity
1990	USFS	Shasta Trinity S. O.	Yes	Absent	Juvenile	Trinity
1979	LIT	Boberg & Kenyob [Trinity]	Yes	Present		Trinity
1988	LIT	Hassler, T. J.	Yes	Present		Trinity
1990	USFS	Shasta Trinity S. O.	Yes	Absent	Juvenile	Trinity
1979	LIT	Boberg & Kenyob [Trinity]	Yes	Present		Trinity
1985	LIT	CH2M Hill	Yes	Present		Trinity
1988	LIT	Hassler, T. J.	Yes	Present		Trinity
1989	USFS	Shasta Trinity S. O.	Yes	Absent	Juvenile	Trinity
1994	USFS	Coho Status Review	Yes	Absent	Juvenile	Trinity
1994	USFS	Coho Status Review		Absent	Juvenile	Trinity
1979	LIT	Boberg & Kenyob [Trinity]	Yes	Present		Trinity
1985	LIT	CH2M Hill	Yes	Present		Trinity
1987	USFS	Shasta Trinity S. O.	Yes	Present	Juvenile	Trinity
1988	LIT	Hassler, T. J.	Yes	Present		Trinity
1992	USFS	Shasta Trinity S. O.	Yes	Absent	Juvenile	Trinity
1994	USFS	Coho Status Review	Yes	Absent	Juvenile	Trinity
1994	USFS	Coho Status Review		Absent	Juvenile	Trinity
1998	KIER	Kier Associates		Present	Juvenile	3 59 1 Trinity T 5 N, R 8E, NW 1/4 Sec.29

1994	USFS	Coho Status Review		Present	Juvenile	24	74	>10	Trinity	T33N,R12W,SE1/4 Sec. 7
1998	KIER	Kier Associates		Absent		0	76	10	Trinity	
1979	LIT	Boberg & Kenyob [Trinity]	Yes	Present					Trinity	
1985	LIT	CH2M Hill	Yes	Present					Trinity	
1988	LIT	Hassler, T. J.	Yes	Present					Trinity	
1991	USFS	Big Bar District	Yes	Present	Juvenile				Trinity	
1992	LIT	Ellis, R.H. [via Southern Pacific]		Present	Spawner				Trinity	
1993	LIT	Ellis, R.H. [via Southern Pacific]		Present	Spawner				Trinity	
1994	LIT	Ellis, R.H. [via Southern Pacific]		Present	Spawner				Trinity	
1992	LIT	Ellis, R.H. [via Southern Pacific]		Present	Spawner				Trinity	
1993	LIT	Ellis, R.H. [via Southern Pacific]		Present	Spawner				Trinity	
1985	LIT	CH2M Hill	Yes	Present					Trinity	
1988	LIT	Hassler, T. J.	Yes	Present					Trinity	
1994	USFS	Coho Status Review	Yes	Present	Juvenile				Trinity	Mouth E.Fk. of N.Fk.Trinity
1998	KIER	Kier Associates	Yes	Absent		0	263	10	Trinity	
1989	USFS	Shasta Trinity S. O.	Yes	Present	Juvenile				Trinity	
1994	USFS	Shasta Trinity S. O.	Yes	Present	Juvenile				Trinity	T35N,R11W,SW1/4 Sec.
1998	KIER	Kier Associates	Yes	Present	Juvenile	1	42	1	Trinity	T 34N, R 11W, NE 1/4 Sec.20
1979	LIT	Boberg & Kenyob [Trinity]	Yes	Present					Trinity	
1988	LIT	Hassler, T. J.	Yes	Present					Trinity	
1991	LIT	Ellis, R.H. [via Southern Pacific]	Yes	Present	Spawner				Trinity	
1992	LIT	Ellis, R.H. [via Southern Pacific]	Yes	Present	Spawner				Trinity	
1993	LIT	Ellis, R.H. [via Southern Pacific]	Yes	Present	Spawner				Trinity	
1990	USFS	Shasta Trinity S. O.		Present	Juvenile				Trinity	
1990	USFS	Shasta Trinity S. O.		Present	Juvenile				Trinity	
1990	LIT	Ellis, R.H. [via Southern Pacific]		Present	Juvenile				Trinity	
1990	USFS	Shasta Trinity S. O.		Present	Juvenile				Trinity	
1990	LIT	Ellis, R.H. [via Southern Pacific]		Present	Juvenile				Trinity	
1985	LIT	CH2M Hill	Yes	Present					Trinity	
1986	LIT	Hassler, Somer & Stern	Yes	Present					Trinity	
1988	LIT	Hassler, T. J.	Yes	Present					Trinity	
1988	USFS	Shasta Trinity S. O.	Yes	Present	Juvenile				Trinity	
1994	USFS	Shasta Trinity S. O.	Yes	Present	Juvenile				Trinity	T34N,R11W,SW1/4 Sec.
1998	KIER	Kier Associates	Yes	Present	Juvenile	2	149	4	Trinity	T 33N, R11W, SE 1/4 Sec. 1
1967	LIT	Atkinson, Rose & Duncan	Yes	Present					Trinity	
1985	LIT	CH2M Hill	Yes	Present					Trinity	
1987	USFS	Shasta Trinity S. O.	Yes	Present	Juvenile				Trinity	
1988	LIT	Hassler, T. J.	Yes	Present					Trinity	
1990	LIT	Ellis, R.H. [via Southern Pacific]	Yes	Present	Juvenile				Trinity	
1990	USFW	Weaverville Office		Present	Juvenile				Trinity	
1992	LIT	Ellis, R.H. [via Southern Pacific]		Present	Spawner				Trinity	
1993	LIT	Ellis, R.H. [via Southern Pacific]		Present	Spawner				Trinity	
1990	USFW	Weaverville Office		Present	Juvenile				Trinity	
1990	USFW	Weaverville Office		Present	Juvenile				Trinity	
1990	LIT	Ellis, R.H. [via Southern Pacific]		Present	Juvenile				Trinity	

1988	USFS	Klamath S.O.	Yes	Present	Juvenile	##	## >10	Siskiyou
1989	USFS	Klamath S.O.	Yes	Present	Juvenile	63	958 >10	Siskiyou
1989	USFS	Klamath S.O.	Yes	Present	Juvenile	33	## >10	Siskiyou
1992	USFS	Klamath S.O.	Yes	Present	Juvenile	92		Siskiyou
1998	USFS	Salmon River District via J. Kilgore	Yes	Present	Juvenile			Siskiyou
1979	LIT	Boberg & Kenyon [Siskiyou]	Yes	Present				Siskiyou
1985	LIT	CH2M Hill	Yes	Present				Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present				Siskiyou
1988	USFS	Klamath S.O.	Yes	Present	Juvenile	160	1541 >10	Siskiyou
1989	USFS	Klamath S.O.	Yes	Present	Juvenile	198	## >10	Siskiyou
1992	USFS	Klamath S.O.	Yes	Present	Juvenile	4		Siskiyou
1998	KIER	Kier Associates	Yes	Absent		0	123	10 Siskiyou
1992	USFS	Klamath S.O.		Present	Juvenile			Siskiyou
1988	USFS	Klamath S.O.		Present	Juvenile	8	159 >10	Siskiyou
1979	LIT	Boberg & Kenyon [Siskiyou]	Yes	Present				Siskiyou
1985	LIT	CH2M Hill	Yes	Present				Siskiyou
1991	LIT	Brown & Moyle	Yes	Present				Siskiyou
1992	USFS	Klamath S.O.	Yes	Present	Juvenile	4		Siskiyou
1998	KIER	Kier Associates	Yes	Absent		0	55	10 Siskiyou
1979	LIT	Boberg & Kenyon [Siskiyou]	Yes	Present				Siskiyou
1985	LIT	CH2M Hill	Yes	Present				Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present				Siskiyou
1992	USFS	Klamath S.O.	Yes	Present	Juvenile			Siskiyou
1998	KIER	Kier Associates	Yes	Absent	Juvenile	0	44	10 Siskiyou
1967	LIT	Atkinson, Rose & Duncan	Yes	Present				Siskiyou
1979	LIT	Boberg & Kenyon [Siskiyou]	Yes	Present				Siskiyou
1985	LIT	CH2M Hill	Yes	Present				Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present				Siskiyou
1989	USFS	Scott River District	Yes	Present	Juvenile	79	## >10	Siskiyou
1994	USFS	Scott River District	Yes	Present	Juvenile			Siskiyou
1996	USFS	Scott River District	Yes	Present	Juvenile			Siskiyou
1996	CDFG	Yreka Office, Dennis Maria	Yes	Present	Juvenile	96		Siskiyou
1997	USFS	Scott River District	Yes	Present	Juvenile			Siskiyou
1997	CDFG	Yreka Office, Dennis Maria	Yes	Present	Juvenile	3		Siskiyou
1979	LIT	Boberg & Kenyon [Siskiyou]	Yes	Present				Siskiyou
1985	LIT	CH2M Hill	Yes	Present				Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present				Siskiyou
1998	KIER	Kier Associates	Yes	Absent		0	74	10 Siskiyou
1994	USFS	Coho Status Review	Yes	Present	Juvenile			Siskiyou
1997	USFS	Scott River District		Present	Juvenile			Siskiyou
1979	LIT	Boberg & Kenyon [Siskiyou]	Yes	Present				Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present				Siskiyou
1988	USFS	Scott River District	Yes	Present	Juvenile			Siskiyou
1994	USFS	Scott River District	Yes	Present	Juvenile			Siskiyou
1998	KIER	Kier Associates	Yes	Absent		0	245	10 Siskiyou
								Jones Beach
								T40N, R 9W, NE corner Sec. 1
								T40N, R 9W, NE corner Sec. 1
								T45N,R10W,SE1/4 Sec. 1
								T44N,R11W,SE1/4 Sec. 2

1979	LIT	Boberg & Kenyon [Siskiyou]	Yes	Present		Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present		Siskiyou
1988	USFS	Scott River District	Yes	Present	Juvenile	Siskiyou
1994	CDFG	Yreka Office	Yes	Present	Juvenile	Siskiyou
1998	KIER	Kier Associates	Yes	Absent		0 181 10 Siskiyou
1994	CDFG	Yreka Office	Yes	Present	Juvenile	Siskiyou
1953	CDFG	Yreka Office	Yes	Present	Juvenile	Siskiyou
1954	CDFG	Yreka Office	Yes	Present	Juvenile	Siskiyou
1979	LIT	Boberg & Kenyon [Siskiyou]	Yes	Present		Siskiyou
1985	LIT	CH2M Hill	Yes	Present		Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present		Siskiyou
1993	CDFG	Yreka Office	Yes	Present	Juvenile	Siskiyou
1996	USFS	Scott River District	Yes	Present	Juvenile	Siskiyou
1996	CDFG	Yreka Office, Dennis Maria	Yes	Present	Juvenile	36 Siskiyou
1997	USFS	Scott River District	Yes	Absent	Juvenile	Siskiyou
1979	LIT	Boberg & Kenyon [Siskiyou]	Yes	Present		Siskiyou
1985	LIT	CH2M Hill	Yes	Present		Siskiyou
1985	USFS	Scott River District	Yes	Present		Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present		Siskiyou
1992	CDFG	Yreka Office	Yes	Present	Juvenile	Siskiyou
1992	USFS	Scott River District	Yes	Present	Juvenile	13 80 >10 Siskiyou
1996	CDFG	Yreka Office, Dennis Maria	Yes	Present	Juvenile	20 Siskiyou
1954	CDFG	Yreka Office	Yes	Present	Juvenile	Siskiyou
1957	CDFG	Yreka Office	Yes	Present	Juvenile	Siskiyou
1979	LIT	Boberg & Kenyon [Siskiyou]	Yes	Present		Siskiyou
1985	LIT	CH2M Hill	Yes	Present		Siskiyou
1985	USFS	Scott River District	Yes	Present		Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present		Siskiyou
1993	CDFG	Yreka Office	Yes	Present	Juvenile	Siskiyou
1996	USFS	Scott River District	Yes	Present	Juvenile	Siskiyou
1996	CDFG	Yreka Office, Dennis Maria	Yes	Present	Juvenile	61 Siskiyou 43N, R 9W, Sec. 28,29,31&32
1997	USFS	Scott River District	Yes	Absent	Juvenile	Siskiyou
1997	CDFG	Yreka Office, Dennis Maria	Yes	Present	Juvenile	2 Siskiyou 43N, R 9W, Sec. 28
1954	CDFG	Yreka Office,Dennis Maria	Yes	Present	Juvenile	Siskiyou
1959	CDFG	Yreka Office,Dennis Maria	Yes	Present	Juvenile	Siskiyou
1979	LIT	Boberg & Kenyon [Siskiyou]	Yes	Present		Siskiyou
1982	CDFG	Yreka Office	Yes	Present	Juvenile	Siskiyou
1988	LIT	Hassler, T. J.	Yes	Present		Siskiyou
1994	USFS	Coho Status Review	Yes	Absent	Juvenile	Siskiyou
1994	CDFG	Yreka Office,Dennis Maria	Yes	Present	Juvenile	Siskiyou
1996	USFS	Scott River District	Yes	Absent	Juvenile	Siskiyou
1997	USFS	Scott River District	Yes	Absent	Juvenile	Siskiyou
1958	CDFG	Yreka Office	Yes	Present	Juvenile	Siskiyou
1979	LIT	Boberg & Kenyon [Siskiyou]	Yes	Present		Siskiyou
1985	LIT	CH2M Hill	Yes	Present		Siskiyou

1988 LIT	Hassler, T. J.	Yes	Present	Siskiyou
1994 USFS	Coho Status Review	Yes	Absent	Juvenile
1996 USFS	Scott River District	Yes	Absent	Juvenile
1997 USFS	Scott River District	Yes	Absent	Juvenile
1955 CDFG	Yreka Office	Yes	Present	Juvenile
1979 LIT	Boberg & Kenyon [Siskiyou]	Yes	Present	Siskiyou
1985 LIT	CH2M Hill	Yes	Present	Siskiyou
1988 LIT	Hassler, T. J.	Yes	Present	Siskiyou
1993 USFS	Klamath S. O.	Yes	Present	Juvenile
1994 CDFG	Yreka Office,Dennis Maria	Yes	Present	Juvenile
1996 USFS	Scott River District	Yes	Present	Juvenile
1996 CDFG	Yreka Office,Dennis Maria	Yes	Present	Juvenile
1997 USFS	Scott River District	Yes	Absent	Juvenile
1979 LIT	Boberg & Kenyon [Siskiyou]	Yes	Present	Siskiyou
1988 LIT	Hassler, T. J.	Yes	Present	Siskiyou
1993 CDFG	Yreka Office,Dennis Maria	Yes	Present	Juvenile
1993 USFS	Klamath S. O.	Yes	Present	Juvenile
1994 CDFG	Yreka Office,Dennis Maria	Yes	Present	Juvenile
1979 LIT	Boberg & Kenyon [Siskiyou]	Yes	Present	Siskiyou
1985 LIT	CH2M Hill	Yes	Present	Siskiyou
1988 LIT	Hassler, T. J.	Yes	Present	Siskiyou
1994 CDFG	Yreka Office,Dennis Maria	Yes	Present	Juvenile
1996 USFS	Scott River District	Yes	Present	Juvenile
1997 USFS	Scott River District	Yes	Present	Juvenile
1979 LIT	Boberg & Kenyon [Siskiyou]	Yes	Present	Siskiyou
1988 LIT	Hassler, T. J.	Yes	Present	Siskiyou
1994 USFS	Coho Status Review	Yes	Absent	Juvenile
1994 CDFG	Yreka Office,Dennis Maria	Yes	Present	Juvenile
1994 CDFG	Yreka Office,Dennis Maria	Present		Juvenile
1979 LIT	Boberg & Kenyon [Siskiyou]	Yes	Present	Siskiyou
1988 LIT	Hassler, T. J.	Yes	Present	Siskiyou
1979 LIT	Boberg & Kenyon [Siskiyou]	Yes	Present	Siskiyou
1988 LIT	Hassler, T. J.	Yes	Present	Siskiyou
1994 USFS	Coho Status Review	Yes	Absent	Juvenile
1994 CDFG	Yreka Office,Dennis Maria	Yes	Present	Juvenile
1996 CDFG	Yreka Office,Dennis Maria	Yes	Present	Juvenile
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1991 LIT	Brown & Moyle	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1991 LIT	Brown & Moyle	Yes	Present	Humboldt
1997 UD	Prarie Creek Fish Hatchery	Yes	Present	Spawner
1952 LIT	Hallock, Warner & Fry	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1952 LIT	Hallock, Warner & Fry	Yes	Present	Humboldt

1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1952 LIT	Hallock, Warner & Fry	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1971 LIT	Burns, J. W.	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1952 LIT	Hallock, Warner & Fry	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1967 LIT	Atkinson, Rose & Duncan	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1952 LIT	Bailey & Kimsey	Yes	Present	
1953 LIT	Kimsey	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1952 LIT	Hallock, Warner & Fry	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1952 CDFG	Kimsey [Fish Rescue]	Yes	Present	Humboldt
1960 USFW S	Portland Office	Yes	Present	Humboldt
1967 LIT	Atkinson, Rose & Duncan	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1982 LIT	Berger, J.	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1993 USFS	Six Rivers S. O.	Yes	Present	Humboldt
1960 USFW S	Portland Office	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1989 CDFG	Eureka office, Larry Preston	Yes	Present	Juvenile
1952 LIT	Hallock, Warner & Fry	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1995 CDFG	Eureka office, Larry Preston	Yes	Present	Juvenile
1953 CDFG	Kimsey [Fish Rescue]	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt

1984	CDFG	Eureka office, Larry Preston	Yes	Present	Juvenile	Humboldt
1952	LIT	Hallock, Warner & Fry	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1952	LIT	Hallock, Warner & Fry	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1952	LIT	Hallock, Warner & Fry	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1947	LIT	Shapovalov	Yes	Present		Humboldt
1997	CDFG	Eureka office, Larry Preston	Yes	Present	Spawner	Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1997	CDFG	Eureka office, Larry Preston	Yes	Present	Juvenile	Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1990	LIT	Pacific Fishery Mgmt. Council	Yes	Present		Humboldt
1991	LIT	Brown & Moyle	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1987	LIT	Hull, D.	Yes	Present		Humboldt
1990	LIT	Ellis, R. H.		Present	Juvenile	Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1987	LIT	Hull, D.	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt
1979	LIT	Boberg & Kenyon [Humboldt]	Yes	Present		Humboldt
1987	LIT	Hull, D.	Yes	Present		Humboldt
1988	LIT	Hassler, T. J.	Yes	Present		Humboldt

1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1987 LIT	Hull, D.	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1987 LIT	Hull, D.	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1988 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1989 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1990 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1991 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1992 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1993 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1994 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1997 CDFG	Eureka office, Larry Preston	Yes	Present	Juvenile
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1995 LIT	Ellis, R. H. [via CDFG]	Yes	Present	Juvenile
1988 LIT	Ellis, R.H. [via Pacific Lumber]	Present		Juvenile
1989 LIT	Ellis, R.H. [via Pacific Lumber]	Present		Juvenile
1990 LIT	Ellis, R.H. [via Pacific Lumber]	Present		Juvenile
1991 LIT	Ellis, R.H. [via Pacific Lumber]	Present		Juvenile
1992 LIT	Ellis, R.H. [via Pacific Lumber]	Present		Juvenile
1993 LIT	Ellis, R.H. [via Pacific Lumber]	Present		Juvenile
1994 LIT	Ellis, R.H. [via Pacific Lumber]	Present		Juvenile
1997 CDFG	Eureka office, Larry Preston	Present		Juvenile
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1997 CDFG	Eureka office, Larry Preston	Yes	Present	Juvenile
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1988 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1989 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1990 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1991 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1992 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1993 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1994 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1997 CDFG	Eureka office, Larry Preston	Yes	Present	Juvenile
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1990 LIT	Ellis, R. H.	Yes	Present	Juvenile
1997 CDFG	Eureka office, Larry Preston	Yes	Present	Juvenile
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1990 LIT	Ellis, R. H.	Yes	Present	Juvenile
1997 CDFG	Eureka office, Larry Preston	Yes	Present	Juvenile
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1995 CDFG	Eureka office, Larry Preston	Yes	Present	Juvenile
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt

1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1952 LIT	Hallock, Warner & Fry	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1988 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1989 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1990 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1991 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1992 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1993 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1994 LIT	Ellis, R.H. [via Pacific Lumber]	Yes	Present	Juvenile
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1990 LIT	Ellis, R. H. [via CDFG]	Yes	Present	Juvenile
1994 LIT	Ellis, R. H. [via CDFG]	Yes	Present	Juvenile
1997 CDFG	Eureka office, Larry Preston	Yes	Present	Spawner
1990 LIT	Ellis, R. H. [via CDFG]		Present	Juvenile
1994 CDFG	Mike Byrne, GIS Specialist		Present	Juvenile
1990 CDFG	Mike Byrne, GIS Specialist		Present	Juvenile
1990 LIT	Ellis, R. H. [via CDFG]		Present	Juvenile
1994 LIT	Ellis, R. H. [via CDFG]		Present	Juvenile
1997 CDFG	Eureka office, Larry Preston		Present	Spawner
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1996 CDFG	Eureka office, Larry Preston	Yes	Present	Juvenile
1977 LIT	Puckett, L. K.	Yes	Present	Humboldt
1951 LIT	Murphy & DeWitt	Yes	Present	Humboldt
1983 LIT	Mills, T.	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1988 LIT	Hassler, T. J.	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1983 LIT	Mills, T.	Yes	Present	Humboldt
1983 LIT	Mills, T.	Yes	Present	Humboldt
1947 LIT	Shapalov	Yes	Present	Humboldt
1980 LIT	US Army Corps of Engineers	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1983 LIT	Mills, T.	Yes	Present	Humboldt
1979 LIT	Boberg & Kenyon [Humboldt]	Yes	Present	Humboldt
1983 LIT	Mills, T.	Yes	Present	Humboldt
1995 CDFG	Mike Byrne, GIS Specialist		Present	Juvenile
1995 LIT	Ellis, R. H. [via CDFG]		Present	Juvenile
1995 LIT	Ellis, R. H. [via CDFG]		Present	Juvenile

1991 LIT	Brown & Moyle	Yes	Present	Mendocino
1991 LIT	Brown & Moyle	Yes	Present	Mendocino
1995 LIT	Ellis, R. H. [via CDFG]	Yes	Present	Juvenile
1987 CDFG	Wendy Jones, Via Scott Harris	Yes	Present	Spawner
1988 CDFG	Wendy Jones, Via Scott Harris	Yes	Present	Spawner
1991 LIT	Brown & Moyle	Yes	Present	Mendocino
1991 LIT	Brown & Moyle	Yes	Present	Mendocino
1995 LIT	Ellis, R. H. [via CDFG]	Yes	Present	Juvenile
1996 LIT	Ellis, R. H. [via Louisiana Pacific]		Present	Juvenile
1991 LIT	Brown & Moyle	Yes	Present	Mendocino
1991 LIT	Brown & Moyle	Yes	Present	Mendocino
1991 LIT	Brown & Moyle	Yes	Present	Mendocino
1991 LIT	Brown & Moyle	Yes	Present	Mendocino
1991 LIT	Brown & Moyle	Yes	Present	Mendocino
1987 CDFG	Wendy Jones, Via Scott Harris	Yes	Present	Spawner
1988 CDFG	Wendy Jones, Via Scott Harris	Yes	Present	Spawner
1991 LIT	Brown & Moyle	Yes	Present	Mendocino
1991 LIT	Brown & Moyle	Yes	Present	Mendocino
1983 LIT	Mills, T.	Yes	Present	Mendocino
1979 LIT	Cherr & Griffen	Yes	Present	Mendocino
1983 LIT	Mills, T.	Yes	Present	Mendocino
1979 LIT	Cherr & Griffen	Yes	Present	Mendocino
1983 LIT	Mills, T.	Yes	Present	Mendocino
1983 LIT	Mills, T.	Yes	Present	Mendocino
1967 LIT	Atkinson, Rose & Duncan	Yes	Present	Humboldt
1979 LIT	Bogerg and Kenyon	Yes	Present	Humboldt
1882 LIT	Berger, J. ed	Yes	Present	Humboldt
1991 LIT	Brown & Moyle	Yes	Present	Humboldt
1993 USFS	Six Rivers S.O.	Yes	Absent	Humboldt
1952 LIT	Hallock, Warner & Fry	Yes	Present	Humboldt
1983 LIT	Mills, T.	Yes	Present	Humboldt
1979 LIT	Boborg and Kenyon	Yes	Present	Humboldt
1983 LIT	Mills, T.	Yes	Present	Humboldt
1985 LIT	CH2M Hill	Yes	Present	Humboldt
1993 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Juvenile
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Juvenile
1994 LIT	Coho Status Review	Yes	Absent	Humboldt
1993 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1993 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1993 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1992 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1952 LIT	Hallock, Warner and Fry	Yes	Present	Humboldt
1979 LIT	Boberg and Kenyon	Yes	Present	Humboldt

1993 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Humboldt
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Humboldt
1979 LIT	Bogerg and Kenyon	Yes	Present	Humboldt
1983 LIT	Mills, T.	Yes	Present	Humboldt
1979 LIT	Bogerg and Kenyon	Yes	Present	Humboldt
1991 LIT	Brown & Moyle	Yes	Present	Humboldt
1993 LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile
1994 LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile
1979 LIT	Bogerg and Kenyon	Yes	Present	Humboldt
1988 LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile
1989 LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile
1990 LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile
1991 LIT	Brown & Moyle	Yes	Present	Humboldt
1991 CDFG	Mike Byrne, GIS Specialist	Yes	Present	Juvenile
1992 LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile
1993 LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile
1994 LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile
1993 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1993 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1993 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1993 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1993 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1993 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1993 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1993 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1993 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1993 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Present	Juvenile	Humboldt
1993 LIT	Shapovalov	Yes	Present	Humboldt
1952 LIT	Hallock, Warner and Fry	Yes	Present	Humboldt
1991 LIT	Brown & Moyle	Yes	Present	Humboldt
1995 LIT	Ellis R.H. (Via CDFG)	Yes	Present	Juvenile
1952 LIT	Hallock, Warner and Fry	Yes	Present	Humboldt
1995 LIT	Ellis R.H. (Via CDFG)	Yes	Present	Juvenile
1979 LIT	Boberg and Kenyon	Yes	Present	Humboldt
1988 LIT	Hassler, T.J.	Yes	Present	Humboldt
1991 LIT	Ellis R.H. (Via CDFG)	Yes	Present	Juvenile
1952 LIT	Hallock, Warner and Fry	Yes	Present	Humboldt
1979 LIT	Boberg and Kenyon	Yes	Present	Humboldt
1995 LIT	Ellis R.H. (Via CDFG)	Yes	Present	Juvenile
1979 LIT	Boberg and Kenyon	Yes	Present	Humboldt
1988 LIT	Hassler, T.J.	Yes	Present	Humboldt
1995 LIT	Ellis R.H. (Via CDFG)	Yes	Present	Juvenile
1979 LIT	Boberg and Kenyon	Yes	Present	Humboldt
1988 LIT	Hassler, T.J.	Yes	Present	Humboldt
1995 LIT	Ellis R.H. (Via CDFG)	Yes	Present	Juvenile
1979 LIT	Boberg and Kenyon	Yes	Present	Humboldt
1988 LIT	Hassler, T.J.	Yes	Present	Humboldt

1979 LIT	Boberg and Kenyon	Yes	Present	Humboldt	
1988 LIT	Hassler, T.J.	Yes	Present	Humboldt	
1967 LIT	Atkinson, Rose & Duncan	Yes	Present	Humboldt	
1979 LIT	Boberg and Kenyon	Yes	Present	Humboldt	
1982 LIT	Berger, J. ed	Yes	Present	Humboldt	
1986 LIT	Baker & Reynolds	Yes	Present	Humboldt	
1988 LIT	Ellis R.H. (Via CDFG)	Yes	Present	Juvenile	Humboldt
1989 LIT	Ellis R.H. (Via CDFG)	Yes	Present	Juvenile	Humboldt
1990 LIT	Ellis R.H. (Via CDFG)	Yes	Present	Juvenile	Humboldt
1991 LIT	Nielsen, Maas & Balding	Yes	Present		Humboldt
1991 LIT	Ellis R.H. (Via CDFG)	Yes	Present	Juvenile	Humboldt
1992 LIT	Ellis R.H. (Via CDFG)	Yes	Present	Juvenile	Humboldt
1993 LIT	Ellis R.H. (Via CDFG)	Yes	Present	Juvenile	Humboldt
1994 LIT	Ellis R.H. (Via CDFG)	Yes	Present	Juvenile	Humboldt
1997 CDFG	Eureka office, Larry Preston	Yes	Present	Spawner	Humboldt
1990 CDFG	Mike Byrne GIS Specialist		Present	Juvenile	Humboldt
1994 LIT	Ellis, R. H. [via Louisiana Pacific]		Present	Juvenile	Humboldt
1995 LIT	Ellis, R. H. [via Louisiana Pacific]		Present	Juvenile	Humboldt
1996 LIT	Ellis, R. H. [via Louisiana Pacific]		Present	Juvenile	Humboldt
1993 LIT	Ellis R.H. (Via CDFG)		Present	Juvenile	Humboldt
1995 LIT	Ellis, R. H. [via Louisiana Pacific]		Present	Juvenile	Humboldt
1996 LIT	Ellis, R. H. [via Louisiana Pacific]		Present	Juvenile	Humboldt
1992 LIT	Ellis R.H. (Via CDFG)		Present	Juvenile	Humboldt
1992 CDFG	KRIS Coho		Present	Juvenile	9 13 Humboldt
1993 LIT	Ellis R.H. (Via CDFG)		Present	Juvenile	Humboldt
1990 CDFG	Mike Byrne GIS Specialist		Present	Juvenile	Humboldt
1992 LIT	Ellis R.H. (Via CDFG)		Present	Juvenile	Humboldt
1993 LIT	Ellis R.H. (Via CDFG)		Present	Juvenile	Humboldt
1993 CDFG	KRIS Coho		Present	Juvenile	Humboldt
1993 LIT	Ellis R.H. (Via CDFG)		Present	Juvenile	Humboldt
1991 LIT	Ellis R.H. (Via CDFG)		Present	Juvenile	Humboldt
1993 LIT	Ellis R.H. (Via CDFG)		Present	Spawner	Humboldt
1997 LIT	Ellis R.H. (Via CDFG)		Present	Spawner	Humboldt
1979 LIT	Boberg and Kenyon	Yes	Present		Humboldt
1980 LIT	Us Army Corps Of Eng.	Yes	Present		Humboldt
1991 LIT	Brown & Moyle	Yes	Present		Humboldt
1979 LIT	Boberg & Kenyon	Yes	Present		Humboldt
1991 LIT	Brown & Moyle	Yes	Present		Humboldt
1979 LIT	Boberg & Kenyon	Yes	Present		Humboldt
1988 LIT	Hassler, T.J.	Yes	Present		Humboldt
1979 LIT	Boberg & Kenyon	Yes	Present		Humboldt
1988 LIT	Hassler, T.J.	Yes	Present		Humboldt
1990 LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile	Humboldt
1991 LIT	Brown & Moyle	Yes	Present		Humboldt
1947 LIT	Shapovlov	Yes	Present		Humboldt
1947 LIT	Shapovlov	Yes	Present		Humboldt

1947	LIT	Shapovlov	Yes	Present		Humboldt	
1988	LIT	Hassler, T.J.	Yes	Present		Humboldt	
1947	LIT	Shapovlov	Yes	Present		Humboldt	
1947	LIT	Shapovlov	Yes	Present		Humboldt	
1993	CDFG	Mike Byrne GIS Specialist	Yes	Present	Juvenile	Humboldt	
1991	LIT	Brown & Moyle	Yes	Present		Humboldt	
1947	LIT	Shapovlov	Yes	Present		Humboldt	
1988	LIT	Hassler, T.J.	Yes	Present		Humboldt	
1979	LIT	Cherr and Griffen	Yes	Present		Humboldt	
1988	LIT	Hassler, T.J.	Yes	Present		Humboldt	
1991	LIT	Brown & Moyle	Yes	Present		Humboldt	
1991	LIT	Jones, W. E.	Yes	Present		Humboldt	
1991	CDFG	KRIS Coho	Yes	Present	Juvenile	51 19	Humboldt
1979	LIT	Boberg & Kenyon	Yes	Present		Humboldt	
1983	LIT	Mills, T.	Yes	Present		Humboldt	
1983	LIT	Mills, T.	Yes	Present		Humboldt	
1995	LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile		Humboldt
1979	LIT	Boberg & Kenyon	Yes	Present		Humboldt	
1983	LIT	Mills, T.	Yes	Present		Humboldt	
1995	LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile		Humboldt
1983	LIT	Mills, T.	Yes	Present		Humboldt	
1997	LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Spawner		Humboldt
1991	LIT	Brown & Moyle	Yes	Present		Humboldt	
1996	LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile		Humboldt
1997	LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile		Humboldt
1988	LIT	Hassler, T.J.	Yes	Present		Humboldt	
1991	LIT	Brown & Moyle	Yes	Present		Humboldt	
1996	LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile		Humboldt
1988	LIT	Hassler, T.J.	Yes	Present		Humboldt	
1993	LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile		Humboldt
1991	LIT	Brown & Moyle	Yes	Present		Mendocino	
1979	LIT	Boberg & Kenyon	Yes	Present		Mendocino	
1983	LIT	Mills, T.	Yes	Present		Mendocino	
1941	LIT	Shapovlov	Yes	Present		Mendocino	
1983	LIT	Mills, T.	Yes	Present		Mendocino	
1979	LIT	Cherr and Griffen	Yes	Present		Mendocino	
1983	LIT	Mills, T.	Yes	Present		Mendocino	
1990	CDFG	Mike Byrne, GIS Specialist	Yes	Present	Juvenile		Mendocino
1991	LIT	Nielsen, Maas & Balding	Yes	Present		Mendocino	
1993	CDFG	KRIS Coho	Yes	Present	Juvenile	2 26	Mendocino
1991	LIT	Nielsen, Maas & Balding	Yes	Present		Mendocino	
1990	LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile		Mendocino
1983	LIT	Mills, T.	Yes	Present		Mendocino	
1992	CDFG	KRIS Coho	Yes	Present	Juvenile	14 37	Mendocino
1979	LIT	Cherr and Griffen	Yes	Present		Mendocino	
1983	LIT	Mills, T.	Yes	Present		Mendocino	

1983 LIT	Mills, T.	Yes	Present		Mendocino
1983 LIT	Mills, T.	Yes	Present		Mendocino
1983 LIT	Mills, T.	Yes	Present		Mendocino
1983 LIT	Mills, T.	Yes	Present		Mendocino
1992 CDFG	KRIS Coho	Yes	Present	Juvenile	4 32 Mendocino
1990 CDFG	Mike Byrne GIS Specialist	Yes	Present	Juvenile	Mendocino
1991 LIT	Nielsen, Maas & Balding	Yes	Present		Mendocino
1991 LIT	Ellis, R.H. (Via CDFG)	Yes	Present		Mendocino
1992 CDFG	KRIS Coho	Yes	Present	Juvenile	3 70 Mendocino
1997 LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Spawner	Mendocino
1983 LIT	Mills, T.	Yes	Present		Mendocino
1988 LIT	Hassler, T.J.	Yes	Present		Mendocino
1991 LIT	Nielsen, Maas & Balding	Yes	Present		Mendocino
1991 LIT	Ellis, R.H. (Via CDFG)	Yes	Present		Mendocino
1994 LIT	Ellis, R. H. [via Louisiana Pacific]		Present	Juvenile	Mendocino
1995 LIT	Ellis, R. H. [via Louisiana Pacific]		Present	Juvenile	Mendocino
1996 LIT	Ellis, R. H. [via Louisiana Pacific]		Present	Juvenile	Mendocino
1988 LIT	Hassler, T.J.	Yes	Present		Mendocino
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Juvenile	Mendocino
1995 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Juvenile	Mendocino
1996 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Juvenile	Mendocino
1991 LIT	Nielsen, Maas & Balding	Yes	Present		Mendocino
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Juvenile	Mendocino
1995 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Juvenile	Mendocino
1996 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Juvenile	Mendocino
1983 LIT	Mills, T.	Yes	Present		Mendocino
1993 LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile	Mendocino
1991 LIT	Nielsen, Maas & Balding	Yes	Present		Mendocino
1990 CDFG	KRIS Coho	Yes	Present	Juvenile	Mendocino
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Juvenile	Mendocino
1995 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Juvenile	Mendocino
1996 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Juvenile	Mendocino
1990 CDFG	KRIS Coho	Yes	Present	Juvenile	44 19 Mendocino
1991 LIT	Nielsen, Maas & Balding	Yes	Present		Mendocino
1994 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Juvenile	Mendocino
1995 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Juvenile	Mendocino
1996 LIT	Ellis, R. H. [via Louisiana Pacific]	Yes	Present	Juvenile	Mendocino
1991 LIT	Nielsen, Maas & Balding	Yes	Present		Mendocino
1979 LIT	Cherr and Griffen	Yes	Present		Mendocino
1983 LIT	Mills, T.	Yes	Present		Mendocino
1993 LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile	Mendocino
1991 LIT	Brown & Moyle	Yes	Present		Mendocino
1991 LIT	Brown & Moyle	Yes	Present		Mendocino
1983 LIT	Mills, T.	Yes	Present		Mendocino
1991 LIT	Brown & Moyle	Yes	Present		Mendocino
1983 LIT	Mills, T.	Yes	Present		Mendocino

1994	CDFG	Mike Byrne GIS Specialist	Yes	Present	Juvenile		Mendocino
1983	LIT	Mills, T.	Yes	Present			Mendocino
1983	LIT	Mills, T.	Yes	Present			Mendocino
1983	LIT	Mills, T.	Yes	Present			Mendocino
1983	LIT	Mills, T.	Yes	Present			Mendocino
1991	LIT	Brown & Moyle	Yes	Present			Mendocino
1991	LIT	Nielsen, Maas & Balding	Yes	Present			Mendocino
1992	CDFG	KRIS Coho	Yes	Present	Juvenile	31 1	Mendocino
1992	LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile		Mendocino
1996	LIT	Ellis, R.H. (Via CDFG)	Yes	Present	Juvenile		Mendocino
1979	LIT	Cherr and Griffen	Yes	Present			Mendocino
1983	LIT	Mills, T.	Yes	Present			Mendocino
1988	LIT	Hassler, T. J.	Yes	Present			Mendocino
1979	LIT	Cherr and Griffen	Yes	Present			Mendocino
1991	LIT	Brown & Moyle	Yes	Present			Mendocino
1992	CDFG	KRIS Coho	Yes	Present	Juvenile	16 52	Mendocino
1979	LIT	Boberg & Kenyon	Yes	Present			Mendocino
1991	LIT	Nielsen, Maas & Balding	Yes	Present			Mendocino
1979	LIT	Cherr and Griffen	Yes	Present			Mendocino
1983	LIT	Mills, T.	Yes	Present			Mendocino
1988	LIT	Hassler, T.J.	Yes	Present			Mendocino
1983	LIT	Mills, T.	Yes	Present			Mendocino
1992	CDFG	Mike Byrne GIS Specialist	Yes	Present	Juvenile		Mendocino
1979	LIT	Cherr and Griffen	Yes	Present			Mendocino
1983	LIT	Mills, T.	Yes	Present			Mendocino
1992	CDFG	Mike Byrne GIS Specialist	Present		Juvenile		Mendocino
1993	CDFG	Mike Byrne GIS Specialist	Present		Juvenile		Mendocino
1993	CDFG	Mike Byrne GIS Specialist	Present		Juvenile		Mendocino
1993	CDFG	Mike Byrne GIS Specialist	Present		Juvenile		Mendocino
1992	CDFG	Mike Byrne GIS Specialist	Present		Juvenile		Mendocino
1990	CDFG	Mike Byrne GIS Specialist	Present		Juvenile		Mendocino
1993	CDFG	Mike Byrne GIS Specialist	Present		Juvenile		Mendocino
1979	LIT	Cherr and Griffen	Yes	Present			Mendocino
1983	LIT	Mills, T.	Yes	Present			Mendocino
1967	LIT	Atkinson, Rose & Duncan	Yes	Present			Mendocino
1982	LIT	Berger, J.	Yes	Present			Mendocino
1986	LIT	Baker and Reynolds	Yes	Present			Mendocino
1988	LIT	Hassler, T. J.	Yes	Present			Mendocino
1994	USFS	Coho Status Review	Yes	Absent			Mendocino
1998	KIER	Kier Associates	Yes	Absent		0 573 10	Mendocino
1994	LIT	Ellis, R.H. (via CDFG)	Present		Juvenile		Mendocino
1983	LIT	Mills, T.	Yes	Present			Mendocino
1983	LIT	Mills, T.	Yes	Present			Mendocino
1994	USFS	Coho Status Review		Absent			Mendocino
1994	USFS	Coho Status Review		Absent			Mendocino
1994	USFS	Coho Status Review		Absent			Mendocino

1994	USFS	Coho Status Review	Absent	Mendocino
1994	USFS	Coho Status Review	Absent	Mendocino
1994	USFS	Coho Status Review	Absent	Mendocino
1994	USFS	Coho Status Review	Absent	Mendocino
1983	LIT	Mills, T.	Yes	Present
1994	USFS	Coho Status Review	Yes	Absent
1998	KIER	Kier Associates	Yes	Absent
1994	USFS	Coho Status Review	Absent	Mendocino
1998	KIER	Kier Associates	Absent	0 81 10 Mendocino
1994	USFS	Coho Status Review	Absent	Mendocino
1983	LIT	Mills, T.	Yes	Present
1994	USFS	Coho Status Review	Yes	Absent
1983	LIT	Mills, T.	Yes	Present
1979	LIT	Boberg & Kenyon	Yes	Present
1988	LIT	Hassler, T. J.	Yes	Present
1979	LIT	Boberg & Kenyon	Yes	Present
1988	LIT	Hassler, T. J.	Yes	Present
1979	LIT	Boberg & Kenyon	Yes	Present
1988	LIT	Hassler, T. J.	Yes	Present
1979	LIT	Boberg & Kenyon	Yes	Present
1988	LIT	Hassler, T. J.	Yes	Present
1979	LIT	Boberg & Kenyon	Yes	Present
1988	LIT	Hassler, T. J.	Yes	Present
1991	LIT	Jones, W. E.	Yes	Present
1991	LIT	Brown & Moyle	Yes	Present
1995	UD	Mattole Salmon Group	Yes	Present
1996	UD	Mattole Salmon Group	Yes	Present
1997	UD	Mattole Salmon Group	Yes	Present
1997	UD	Mattole Salmon Group	Yes	Present
1997	CDFG	Eureka office, Larry Preston	Yes	Present
1998	UD	Mattole Salmon Group	Yes	Present
1998	KIER	Kier Associates	Yes	Present
1988	LIT	Hassler, T. J.	Yes	Present
1979	LIT	Boberg & Kenyon	Yes	Present
1988	LIT	Hassler, T. J.	Yes	Present
1979	LIT	Boberg & Kenyon	Yes	Present
1988	LIT	Hassler, T. J.	Yes	Present
1979	LIT	Boberg & Kenyon	Yes	Present
1988	LIT	Hassler, T. J.	Yes	Present
1979	LIT	Boberg & Kenyon	Yes	Present
1988	LIT	Hassler, T. J.	Yes	Present
1997	CDFG	Eureka office, Larry Preston	Yes	Present
1979	LIT	Boberg & Kenyon	Yes	Present
1988	LIT	Hassler, T. J.	Yes	Present
Spawner				
40	26	1 Humboldt	T 5S, R 2E, E 1/4 Sec. 16	

1998 KIER	Kier Associates	Yes	Present	Juvenile	2	323	2 Humboldt	T 5S, R 2E, Se 1/4 Sec. 9
1988 LIT	Hassler, T. J.	Yes	Present				Humboldt	
1997 UD	Mattole Salmon Group	Yes	Present	Spawner	9		Humboldt	
1998 UD	Mattole Salmon Group	Yes	Present	Spawner	1		Humboldt	
1979 LIT	Boberg & Kenyon	Yes	Present				Humboldt	
1988 LIT	Hassler, T. J.	Yes	Present				Humboldt	
1998 KIER	Kier Associates	Yes	Present	Juvenile	1	208	2 Humboldt	T 4S, R 1E, NW 1/4 Sec. 1
1979 LIT	Boberg & Kenyon	Yes	Present				Humboldt	
1988 LIT	Hassler, T. J.	Yes	Present				Humboldt	
1997 CDFG	Eureka office, Larry Preston	Yes	Present	Juvenile			Humboldt	
1979 LIT	Boberg & Kenyon	Yes	Present				Humboldt	
1988 LIT	Hassler, T. J.	Yes	Present				Humboldt	
1998 KIER	Kier Associates	Yes	Present	Juvenile	4	8	1 Humboldt	T 5S, R 2E, NE 1/4 Sec. 6
1979 LIT	Boberg & Kenyon	Yes	Present				Humboldt	
1988 LIT	Hassler, T. J.	Yes	Present				Humboldt	
1997 UD	Mattole Salmon Group	Yes	Present	Juvenile			Humboldt	
1979 LIT	Boberg & Kenyon	Yes	Present				Humboldt	
1988 LIT	Hassler, T. J.	Yes	Present				Humboldt	
1979 LIT	Boberg & Kenyon	Yes	Present				Humboldt	
1988 LIT	Hassler, T. J.	Yes	Present				Humboldt	
1979 LIT	Hassler, T. J.	Yes	Present				Humboldt	
1995 CDFG	Eureka office, Larry Preston	Yes	Present	Juvenile			Humboldt	
1997 UD	Mattole Salmon Group	Yes	Present	Spawner	1		Humboldt	
1998 UD	Mattole Salmon Group	Yes	Present	Spawner	2		Humboldt	
1996 CDFG	Eureka office, Larry Preston	Yes	Present	Juvenile			Humboldt	
1996 UD	Mattole Salmon Group	Yes	Present	Spawner	4		Humboldt	
1997 UD	Mattole Salmon Group	Yes	Present	Spawner	2		Humboldt	
1997 UD	Mattole Salmon Group	Yes	Present	Juvenile			Humboldt	
1998 UD	Mattole Salmon Group	Yes	Present	Spawner	3		Humboldt	
1998 KIER	Kier Associates	Yes	Present	Juvenile	22	50	2 Humboldt	T 5S, R 2E, SW 1/4 Sec. 2
1995 UD	Mattole Salmon Group	Present		Spawner	2		Humboldt	
1996 CDFG	Eureka office, Larry Preston	Present		Juvenile			Humboldt	
1998 UD	Mattole Salmon Group	Present		Spawner	6		Humboldt	
1998 KIER	Kier Associates	Present		Juvenile	20	10	1 Humboldt	T 6S, R 2E, NW 1/4 Sec. 1
1998 UD	Mattole Salmon Group	Present		Spawner	1		Humboldt	
1998 KIER	Kier Associates	Present		Juvenile	5	10	1 Humboldt	T 5S, R 2E, NE 1/4 Sec. 3
1997 UD	Mattole Salmon Group	Present		Juvenile			Humboldt	
1998 KIER	Kier Associates	Present		Juvenile	20	10	2 Humboldt	T 5S, R 2E, NE 1/4 Sec. 2

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